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2d Session }

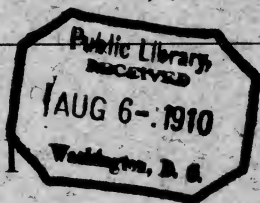
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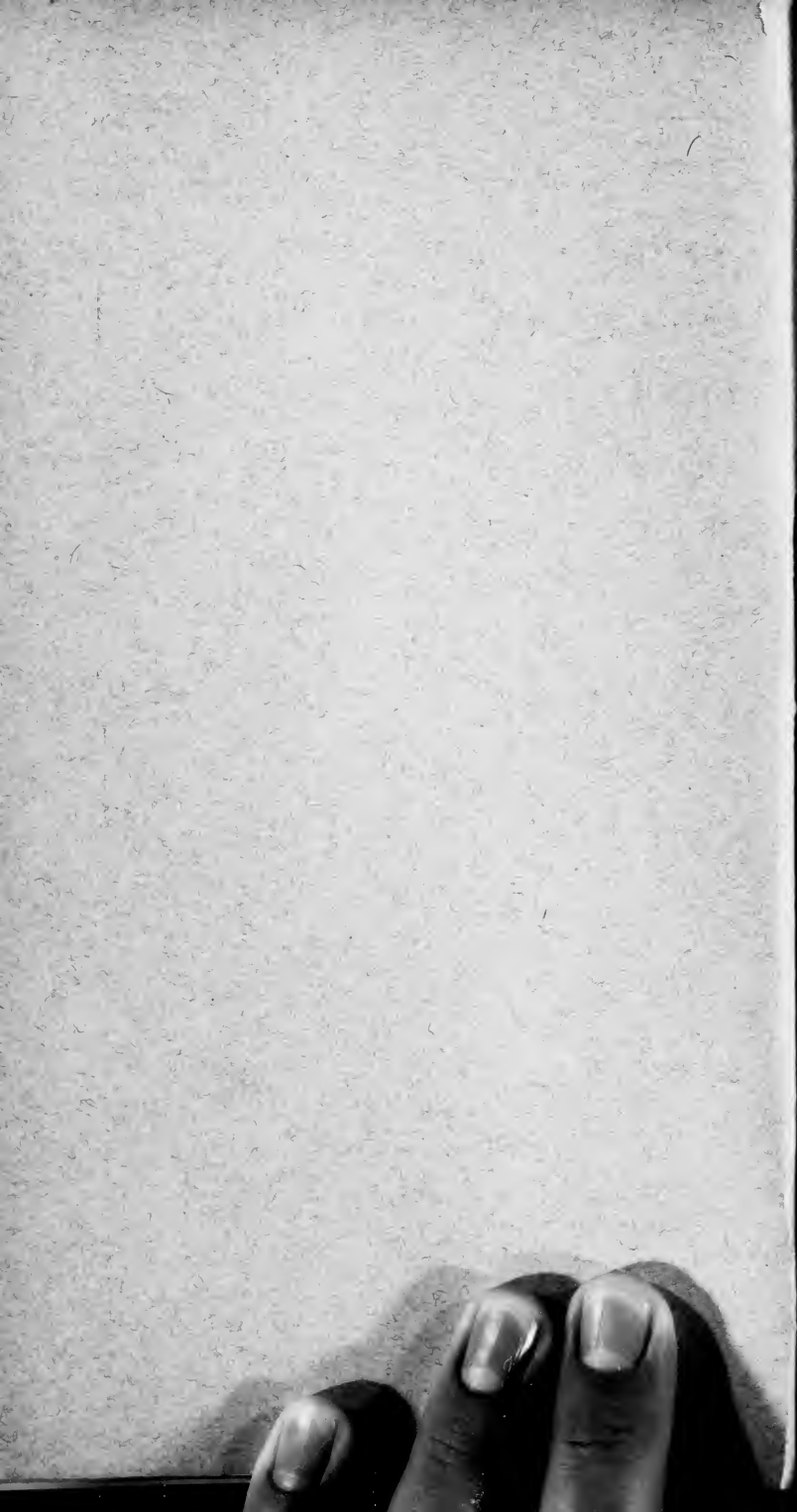
ANNUAL REPORT OF THE
COMMISSIONERS OF THE
DISTRICT OF COLUMBIA
YEAR ENDED JUNE 30, 1909

Vol. III

REPORT OF THE
HEALTH OFFICER



WASHINGTON
GOVERNMENT PRINTING OFFICE
1910



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Vol. III

REPORT OF THE
HEALTH OFFICER



WASHINGTON
GOVERNMENT PRINTING OFFICE
1910



OFFICERS OF THE HEALTH DEPARTMENT TO JUNE 30, 1909.

Health officer.

WILLIAM C. WOODWARD, M. D.

Chief clerk and deputy health officer.

HARRY C. McLEAN.

Clerks.

C. R. HOLMAN.
T. W. PARSONS.
A. G. COLE.

S. PHILLIPS.
A. C. PATTERSON.
W. O. ROOME, Jr.

L. H. CROWE.
C. D. HERRMANN.

Chief inspector and deputy health officer.

HENRY FENNO SAWTELLE, M. D.

Sanitary and food inspectors.

A. L. MURRAY.
J. F. BUTTS.
T. N. CONRAD.
R. A. GUERRANT.
R. S. WILSON.
E. W. WHITAKER.
C. H. BUCHANAN.
A. F. EVANS.

C. H. WELCH.
W. R. SMITH.
J. R. MOTHERSHEAD.
W. H. H. HOOVER.
W. V. LEECH.
M. A. POZEN.
J. C. HALEY.

W. W. AYRES.
J. C. HATTON.
E. C. STOY.
R. H. DUENNER.
R. E. BECKHAM.
J. L. NORRIS.
W. S. VIRGIN.

Chemist.

R. L. LYNCH, M. D.

Inspector of live stock and dairy farms.

J. P. TURNER.

Veterinarians.

R. R. ASHWORTH.
H. YOUNG.

H. S. DRAKE.
JOHN ROME.

G. H. GRAPP.

Pound service.

SAMUEL EINSTEIN, poundmaster.
J. BURRILL, laborer.
J. WELLS, laborer.

J. JENNINGS, laborer.
C. PARKER, laborer.
C. ARNER, laborer.

Messenger and janitor.

ISAAC PINKNEY.

Driver.

J. B. ROBINSON.

Contagious disease service.

W. C. FOWLER, M. D., medical inspector
in charge of contagious disease service.
J. E. WALSH, M. D., medical inspector.
J. J. KINYOUN, M. D., bacteriologist.
LLEWELLYN ELIOT, M. D., medical in-
spector.
F. E. HARRINGTON, M. D., medical in-
spector.
E. L. LE MERLE, M. D., medical inspector.

R. A. HOOE, M. D., medical inspector.
M. J. SIMMONS, M. D., medical inspector.
C. W. CHILDS, M. D., medical inspector.
C. M. BEALL, M. D., medical inspector.
A. L. HUNT, M. D., medical inspector.
M. H. LANMAN, clerk.
J. J. QUICKLEY, skilled laborer.
G. W. BEAZLEY, laborer.
JOHN MATTHEWS, laborer.

Disinfecting service.

W. D. TAPSCOTT, engineer.
EDW. NEWMAN, laborer.

WM. HOLMES, laborer.

Crematorium.

ERNEST BISHOP, superintendent.

Medical inspection of public schools.

JOHN S. ARNOLD.
W. M. BARTON.
G. H. HEITMULLER.
I. H. LAMB.

JOHN D. THOMAS.
H. W. FREEMAN.
T. A. GROOVER.
ALBERT RIDGELEY.

U. J. DANIELS.
C. A. TIGNOR.
J. B. NICHOLS.
H. C. MACATEE.

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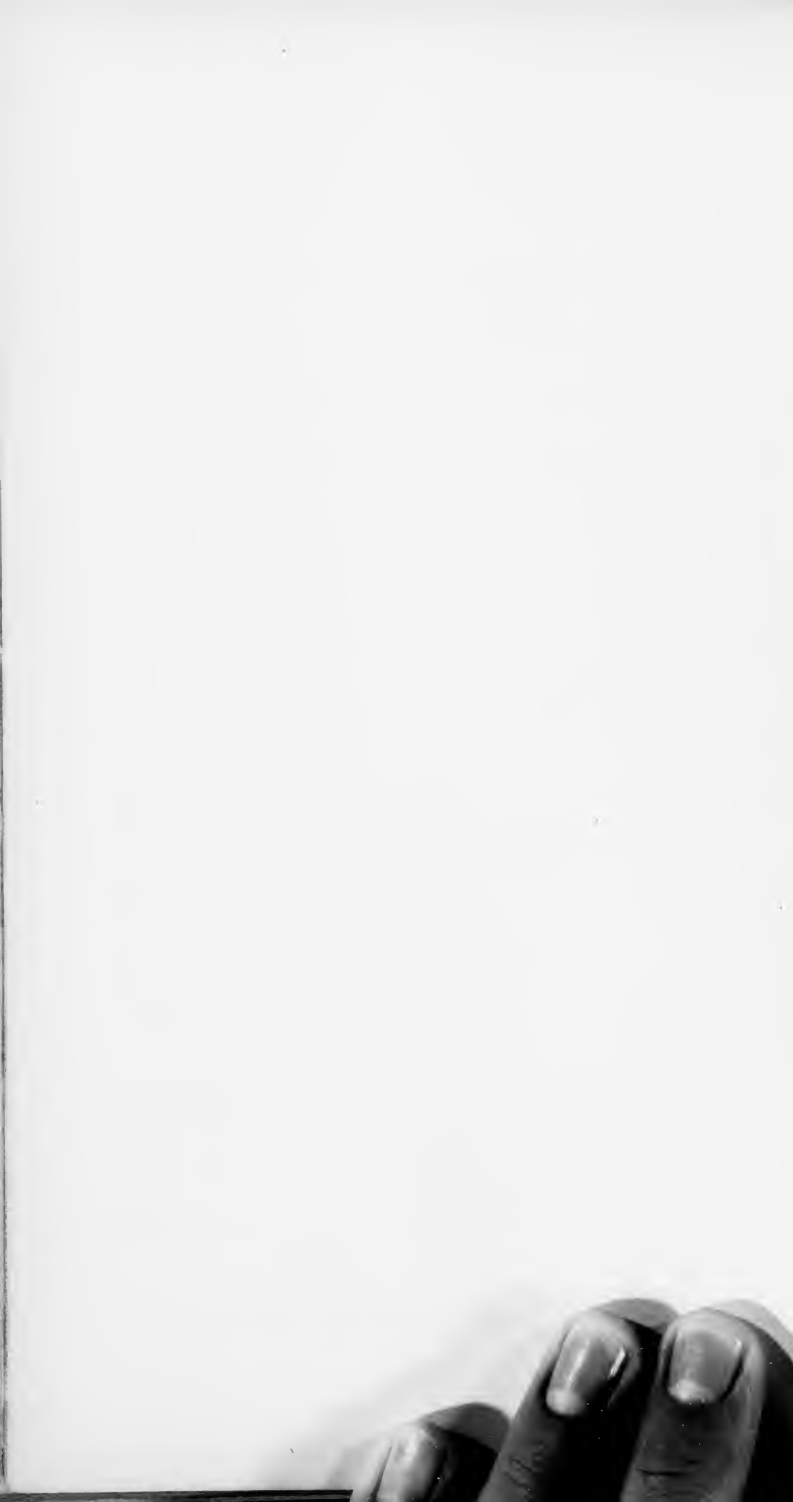
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REPORT OF THE HEALTH OFFICER.

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
HEALTH DEPARTMENT,
Washington, December 21, 1909.

GENTLEMEN: I have the honor to submit herewith the following statement relative to the operations of the health department during the year ended June 30, 1909.

POPULATION.

The death, morbidity, and birth rates set forth in the following pages, for the calendar year 1908, were based upon the police census taken in April of that year. That census showed a white population of 241,920, a colored population of 97,483, and a total population of 339,403.

BIRTHS AND STILLBIRTHS.

The following table of births embodies an analysis of the returns of births and stillbirths received during the calendar year 1908:

Statement showing births and birth rates in the District of Columbia during the calendar year 1908.

	White.	Colored.	Unknown.	All.	Rate per 1,000 of entire population.			Rate per 1,000 of female population.		
					White.	Colored.	All.	White.	Colored.	All.
Total births excluding stillbirths, but including illegitimate births.....	4,835	2,205	....	7,040	19.98	22.62	20.74	38.72	41.44	39.53
Illegitimate births.....	112	462	....	574	.46	4.74	1.69	.89	8.68	3.22
Total stillbirths.....	180	274	85	539	.74	2.81	1.59	1.44	5.15	3.02
Illegitimate stillbirths.....	8	97	....	105	.03	.99	.31	.06	1.82	.59

The birth rate for white people, 19.98, was considerably above the death rate for that race, 14.66, while the birth rate for the colored people, 22.62, was much below the death rate for the same class, 26.56. One thousand three hundred and six births occurred in institutions, the children being stillborn in 101 instances. Outside of institutions there were 6,273 births, including 438 stillbirths. The percentage of stillbirths in institutions was, therefore, 7.73, and outside of institutions, 6.98. Of 6,187 cases of confinement occurring outside of institutions, 4,787 were attended by physicians, and 1,400 by midwives. Among the cases attended by physicians, 267, or 5.58 per cent, stillbirths occurred, while among the cases attended by midwives, 85, or 6.07 per cent, stillbirths were reported.

In 7,494 cases in which legitimacy or illegitimacy was reported, the children were illegitimate in 679 instances, 9.06 per cent of all. Among 6,815 cases in which the children were legitimate, there occurred 349 stillbirths, equivalent to 5.12 per cent, while out of the 679 cases in which the children were illegitimate, there occurred 105, or 15.46 per cent, stillbirths. The bodies of 86 stillborn infants were found abandoned and thrown out on the streets and in the parks of the city, and were certified to by the coroner; but whether these cases occurred in the practice of physicians or midwives, and whether the children were legitimate or illegitimate, is unknown.

It must be recognized, of course, that the returns of births and stillbirths are not absolutely complete, but it is believed that they now approach sufficiently near to completeness to justify the analytical study of them.

MORBIDITY AND MORTALITY.

General mortality.—The general death rate for the calendar year 1908 was the lowest ever recorded in the District; 6,136 people died, equivalent to a death rate of 18.08. The racial death rates also were lower than any previously recorded; among white people, 3,547 died, and the death rate was 14.66; among colored people, 2,589 deaths occurred, the death rate being 26.56. The average age of all decedents was 38 years 7 months and 2 days. Of white decedents, the average was 44 years 6 months and 7 days, but of the colored it was only 30 years 5 months and 16 days. It is interesting to note that 2,036 deaths occurred in institutions, almost exactly one-third of all deaths. The remains of approximately 1 in every 6 were taken outside of the District to be disposed of, exclusive of those interred at Arlington, and the remains of 1 in every 67 were cremated.

Infant mortality.—One thousand one hundred infants less than 12 months old died during the year. This represents the death of 156 infants for every 1,000 whose births were reported to the health department. For every 1,000 colored infants whose births were reported, 258 died, while for every 1,000 reported births of white infants, deaths numbered only 110. As presumably the number of births that occurs is greater than the number of births reported to the health department, the figures just stated are greater than would be analogous figures based upon the entire number of children born. There is no reason, however, for believing that the relative mortality among white infants and colored infants is otherwise than indicated above.

Pulmonary tuberculosis.—Pulmonary tuberculosis was as usual the most important of all the factors in the mortality tables, although the tables show that the disease is less prevalent than heretofore. Seven hundred and eleven deaths occurred in 1908, equivalent to 209.5 deaths for every 100,000 inhabitants. During the quinquennium ending with the year 1900 the average annual death rate from pulmonary tuberculosis was 286.8; and during the quinquennium ending with 1905 it was 252.8. No previous record is as good as that for the year 1908.

The law requiring all cases of pulmonary and other communicable forms of tuberculosis to be reported to the health officer was enacted on May 13, 1908, but some time necessarily elapsed before it could be said to be fairly in operation. The total number of

cases reported up to the close of December 31, 1908, was 925. This included, however, many that were under treatment prior to the enactment of the law, and therefore the number of cases reported during the period stated indicates nothing as to the relative prevalence of the disease. Up to June 30, 1909, 784 specimens of sputum were examined, of which 221 showed the presence of tubercle bacilli and 563 were apparently free from that organism. The number of premises disinfected under the provisions of the tuberculosis law during the same period was 936.

Typhoid fever.—Typhoid fever during 1908 was, so far as the death rate shows, less prevalent than at any other period subsequent to the fiscal year 1881–82. Cases reported numbered 936, a case rate of 276 per 100,000, as compared with a case rate of 282 in 1907 and 345 in 1906. Deaths in 1908 numbered 124, equivalent to 36.5 per 100,000 of population. This is slightly above the death rate for 1907, 34.6, but compares very favorably with 52.4, the average annual death rate for the quinquennium ending 1905, and even more favorably with 60.3, the annual average death rate for the preceding quinquennium. Possibly, in so far as the morbidity and death rates for the single year 1908 are concerned, the improvement may be attributable, in part at least, to favoring climatic influences. We can not, however, attribute to climate influences the generally downward tendency of the typhoid fever curve during the past twenty years, as within that period climatic conditions have certainly varied within the ordinary range of variations, and have not tended continually in any one direction. And so long as it is impossible to point to any one thing as the cause of the improvement noted, it must, in the absence of further light, be attributed to the general improvement in the sanitary conditions in the District.

Steam railway accidents.—It was hoped that with the establishment of the Union Station and the reduction in the number of grade crossings deaths from steam railway accidents would be materially less frequent. Such, however, is not the case. Seventeen persons lost their lives from this cause in 1908, which is exactly the average number who lost their lives annually from the same cause during the five-year period 1896 to 1900. During the five-year period 1901 to 1905 the average loss of life per annum was 24, but during this period the large gangs of men employed in connection with railway construction incident to the alterations under way in our terminal facilities probably accounted for the increase. The average death rate per 100,000 per annum during the quinquennium 1896–1900 was 6. The death rate last year was 5.

Street railway accidents.—The mortality from street railway accidents during 1908 was the greatest recorded in the history of the District of Columbia, 20 persons having lost their lives from this cause. The average death rate from street railway accidents during the five-year period 1896–1900 was 2.5, and during the five-year period 1901–1905 was 2.6; the death rate in 1906 was 2.8, in 1907, 4.9, and in 1908, 5.9. It is reasonable to presume that there has been corresponding increase in the frequency of accidents which temporarily disable or permanently maim, but stop short of causing death. In any event, the situation demands rigid investigation.

Obstacles to improvement in the death rate.—While the prevalence of some of the more important communicable and preventable diseases

has declined and the general death rate for the District has to a certain extent fallen, the improvement in the general death rate has been very materially retarded by the increased prevalence of certain conditions which so far as science has yet demonstrated are either not preventable, or else are preventable only by rigid personal hygiene and not by any public effort. The death rate from cancerous growths in 1908 was 81.2 per 100,000, while the average annual death rate during the five-year period, 1901 to 1905 was only 70, and during the preceding five-year period was 61.3. Grippe during the five-year period 1896 to 1900 showed an average annual death rate of 12.7 per 100,000, and during the next five-year period a death rate of 28.6; during the calendar year 1908 its death rate was 48. The average annual death rate from Bright's disease and arteriosclerosis during the five-year period ending with 1900 was 98.4; during the next five-year period it had risen to 126.8; during the calendar year 1908 it was 146.9. Suicide, too, has helped to prevent a more rapid decline in the death rate. The average annual death rate from suicide during the five-year period 1896 to 1900 was 13.3 per 100,000. The average during the five-year period 1901-1905 was 16.4. During the calendar year 1908 the death rate was 19.5.

It is apparent from the foregoing figures that efforts made by the Government to prevent sickness and diseases must, to be most largely successful, extend more deeply into the matter of investigation and of education than at present. Until the cause of cancer is known action for its prevention will be impossible. And with respect to such mortality as occurs from Bright's disease and arteriosclerosis, where it is commonly believed that something toward prevention can be accomplished by the individual by proper methods of living, it will be quite impossible for individuals generally to accomplish even what can be accomplished unless they are properly educated with respect to the matter, and such education, as well as other sanitary education of like character, must form a part of the public-school curriculum.

Alley mortality.—The study into the relative mortality among dwellers in alleys and on streets, which was begun several years ago, has continued. Certain figures heretofore compiled have been contrary to preconceived ideas, showing that death rates in alleys were as good and in some cases even better than death rates for streets. The comparative street and alley death rates for 1908 are not, however, of that character. Among white people the alley death rate was 17.30, the street death rate only 14.64. Among colored people the alley death rate was 31.86, and the street death rate was 25.65. From pulmonary tuberculosis among white people the alley death rate was 62 per 100,000, while the street death rate 125; but among colored people the alley death rate was 640, the street death rate only 383. From pneumonia among white people living in alleys the death rate was 124, while among those living on streets it was only 95. Among colored residents of alleys the death rate from this disease was 422, the street death rate only 258. Bronchitis among white people dwelling in alleys was responsible for 62 deaths per 100,000; among those dwelling on streets for only 23. Among colored people bronchitis caused in alleys 84 deaths per 100,000, and on streets only 66. Among white children under 2 years of age living in alleys diarrheal diseases caused 247 deaths per 100,000 and on streets only 64. Among colored children of corresponding age this disease caused in

alleys 309 deaths per 100,000 and on streets only 157. As a factor in these relative mortality figures, the greater poverty and ignorance of alley dwellers must be borne in mind as an influence quite apart from alley residence per se. Nevertheless the figures may be looked upon as tending very strongly to show the importance of eliminating alley life from our social conditions.

Mortality during the first six months of 1909.—During the first six months of 1909, 3,266 deaths were registered at the health office, being only 6 more than were registered during the corresponding period of the preceding year, notwithstanding the increase in the population. The number of deaths among white persons during the first six months of 1908 was 1,864, and during the first six months of 1909 was 1,940. Among colored people there was a decline in the number of deaths during the same periods from 1,396 to 1,326. The number of deaths from scarlet fever, when the two periods are compared, increased from 5 to 19, and those from diphtheria from 11 to 25. During the latter period 38 deaths were charged to measles, no deaths having occurred from this disease during the first half of 1908. The number of deaths from pulmonary tuberculosis increased from 369 to 388. There was also an increase in the number of deaths from pneumonia from 346 to 374. The number of deaths charged to typhoid fever during the first six months of 1909 was 48, an increase of 23 when compared with the corresponding period of the preceding year. Deaths from diarrheal diseases among persons 2 years of age and over increased from 29 to 34. Diarrheal diseases among children less than 2 years of age caused only 75 fatalities, as compared with 86 during the corresponding period of the previous year.

Communicable diseases.—A detailed analysis of the situation during 1908 with respect to reportable communicable diseases appears in the report of the medical inspector in charge of the contagious disease service, printed elsewhere in this volume, and reference to certain of these diseases, typhoid fever and tuberculosis, has already been made in the discussion of the mortality returns. The following statement shows the relative frequency of the occurrence of the several reportable communicable diseases during 1908 and their comparative malignancy:

Statement showing case rates and percentages of fatality for reportable communicable diseases during 1907 and 1908.

Diseases.	Cases reported, per 100,000 of population.		Percentage of reported cases proving fatal.	
	1907.	1908.	1907.	1908.
Cerebro-spinal meningitis, epidemic.....	3	10	80.0	60.6
Chicken pox ^a	117	153	.....	.....
Diphtheria.....	125	142	6.8	4.6
Measles.....	150	347	8.8	2.2
Scarlet fever.....	51	96	1.1	2.7
Smallpox.....	2	57	.....	.....
Typhoid fever.....	282	276	12.3	13.2
Whooping cough ^a	79	141	6.2	7.9

^a It is probable that a considerable number of nonfatal cases of chicken pox, measles, and whooping cough are never reported, and therefore that the stated case rates are too low and the stated percentage of fatalities too high.

A case of leprosy was discovered in August, 1908, the patient apparently having contracted the disease in the Philippines. He was duly quarantined in accordance with law and at the close of the period covered by this report, June 30, 1909, arrangements were being effected for his removal to New York City.

A case of glanders was reported in March, 1909. The patient suffered from the cutaneous form of the disease (farcy) and made a good recovery.

The case of glanders is the only case of that disease in a human being of which the department has record as having occurred in the District of Columbia, and the case of leprosy is the only one that has ever existed in the District of Columbia that has come to the knowledge of the health department. A detailed account of these cases appears in the report of the medical inspector in charge of the contagious-disease service, in the appendix.

Isolating wards, smallpox hospital and quarantine station.—The following statement shows the service rendered by the isolating wards at Garfield Memorial and Providence hospitals, by the smallpox hospital and by the quarantine station:

Name of institution.	Pay patients (hospital days).	Free patients (hospital days).	Total (hospital days).
Garfield Memorial Hospital.....	1,802	5,623	<i>a</i> 7,425
Providence Hospital.....	335	1,481	<i>a</i> 1,816
Smallpox Hospital.....		3,040	<i>b</i> 3,040
Quarantine station.....		2,515	<i>b</i> 2,515

a Figures relate to fiscal year 1908-9.

b Figures relate to calendar year 1908. No charge is made for any service rendered by the smallpox hospital or the quarantine station.

Laboratory service.—In the bacteriological laboratory forming a part of the contagious-disease service specimens were examined during the calendar year 1908 as follows:

	Positive.	Negative.	Total.
Diphtheria cultures:			
Primary.....	427	1,287	1,714
Secondary.....			1,161
Sputa ^a	96	218	314
Test cultures for disinfecting service.....	175	1,303	1,478
Leprosy.....	1		1
Total.....			4,668

^a Examination of sputa was begun August 11, 1908.

During the period covered by this report the bacteriologist was employed but three hours each day, being compensated accordingly, and examined on an average of 12.8 specimens for each day worked.

Disinfecting service.—The work of the disinfecting service has been considerably increased during the past year by the operation of the law requiring disinfection of all apartments vacated by persons suffering from communicable forms of tuberculosis. The total number of premises disinfected during the calendar year 1908 was 1,391; the number disinfected during the preceding year was 907.

Four thousand nine hundred and seventy-one articles were disinfected at the disinfecting station.

MEDICAL INSPECTION OF SCHOOLS.

During the school year 1908-9 the 12 medical inspectors of schools made 9,197 visits to the 167 school buildings in the District and 105 visits to residences of pupils. Four thousand four hundred and ninety-one examinations of pupils in attendance at school were made to determine the necessity for exclusion, and 1,196 exclusions for cause were recommended. Ten thousand nine hundred and fifty-two examinations of pupils were made to determine whether pupils who had been absent from school might safely be permitted to return. Two thousand three hundred and thirty-six pupils were examined to ascertain whether they had or had not been vaccinated as required by law as a condition precedent to admission to school in this District. Medical inspectors of schools examined 240 candidates for admission to the normal school. Each inspector visited on an average of 4.14 school buildings each school day, and examined a daily average of 6.95 pupils. The daily average of pupils excluded for cause by each inspector was 0.54, and the daily average of readmissions was 4.93.

A detailed account of this service appears in the report of the medical inspector in charge of the contagious disease service.

CHILD-LABOR LAW.

During the fiscal year 1908-9, in order to enable the superintendent of public schools better to determine whether or not to issue certain permits under the child-labor law, 1,248 children were examined at his request to ascertain whether they were physically able to perform the labor that they desired to undertake. Unfortunately no record has been kept of the results of the examinations.

PRIVATE HOSPITALS AND ASYLUMS.

Regulations to govern the establishment and maintenance of private hospitals and asylums were promulgated by the commissioners on May 19, 1909, under authority of an act to regulate the establishment and maintenance of private hospitals and asylums in the District of Columbia, approved April 20, 1908. These regulations cover fully all features of hospital and asylum administration in such a manner as to protect in so far as practicable the health and physical safety of the inmates of such places. At the close of the year action is being taken toward procuring the registration of all existing institutions. The regulations are printed in the appendix.

CEMETERIES.

There has been no change in the number or status of cemeteries in the District of Columbia during the past year.

The municipal crematorium was put into operation in October, 1908. Since that time and up to the end of the fiscal year the bodies of 87 adults and of 332 children have been cremated. The commissioners, under authority of the act of April 20, 1906, by which

the crematorium was established, have fixed a charge of \$25 for cremation, to be collected in those cases where the estate or the family or the decedent is able to pay the cost of disposing of his remains. The commissioners' order is printed in the appendix.

The total number of bodies buried in the District of Columbia during the calendar year 1908 was 5,159, of which 4,727 died within the District and 432 were brought in for interment. The total number of bodies cremated within the District was 99, 92 of residents and 7 being brought into the District for cremation. Of the bodies of 6,136 persons dying within the District, 1,051 were removed to other places for interment, not including 266 taken to the National Cemetery at Arlington, Va. As a partial offset to this, 439 bodies were brought into the District to be disposed of by burial or cremation within its confines.

Recommendations of previous years for the relaxation of the restrictions which now exist with respect to caring for and disposing of the dead are renewed.

COMMUNICABLE DISEASES OF ANIMALS.

Rabies.—Sixty-nine cases of rabies were reported during the fiscal year 1908-9 among dogs, and among cats 4 cases. There were bitten by these rabid dogs, so far as the health department is informed, 32 persons and 12 domestic animals. Five persons were bitten by the rabid cats. Fortunately no cases of rabies developed among the persons so bitten. The Public Health and Marine-Hospital Service on April 30, 1908, began to treat free of expense all persons bitten by rabid animals, and many persons have availed themselves of the opportunity of receiving treatment, and this presumably accounts in part at least for the absence of fatalities among human beings.

Glanders.—One case of glanders was reported during the year among domestic animals. The case of glanders that occurred in a human being, a stable attendant, has been referred to elsewhere in this report.

CHEMICAL LABORATORY.

There were examined in the chemical laboratory during the fiscal year 1908-9, 4,577 samples of various kinds. The working force in the chemical laboratory consists of the chemist and one inspector detailed to assist him. The average number of samples analyzed each for every day actually worked was 8.44. A detailed statement of the nature, purpose, and results of such analyses appears in the appendix, in the report of the chemist.

BACTERIOLOGICAL LABORATORY.

The need for the establishment of a general bacteriological laboratory becomes more and more apparent. The work of such a laboratory would be of material value in the improvement of the milk supply, and would enable the department better to supervise the water supply of the District as derived from public and private wells and the water supply of dairy farms.

FOOD INSPECTION SERVICE.

Inspection of dairy farm.—The inspection of dairy farms during the past year has extended to 882 separate and distinct establishments. Of these, 62 were in the District of Columbia, 326 in Virginia, 476 in Maryland, 15 in New York, and 3 in New Jersey. Four thousand two hundred and ninety-four visits were paid to these places, representing an average of 2.6 per inspector for every day actually worked, and an average frequency of inspection of 4.9 per farm per annum. The number of cows on these farms was 16,116, of which 189 were condemned as unfit for dairy purposes, 126 for tuberculosis, 52 for diseases of the udder, and 11 for other causes. The Bureau of Animal Industry of the Department of Agriculture and the health department of the District of Columbia have been during the past year encouraging farmers voluntarily to ask for the application of the tuberculin test, with a view to elimination of tuberculous cattle from dairy herds, and as a consequence there were at the close of the year in the dairy herds supplying milk to the District of Columbia 1,355 cows known to have been subjected efficiently to the tuberculin test, equivalent to 8.47 per cent of all cows supplying milk to the District. For further information concerning the inspection of dairy farms, reference is made to the report in the appendix relating to it.

The distances traveled by the inspectors of dairy farms in order to visit the places under their supervision are so great as materially to limit the amount of work that one man can do. An effort is made to have a maximum amount of attention paid to those places which appear from the records to be most in need of it, but this method of supervision would be much more satisfactory if it were possible to supplement it by the results of bacteriological examinations of the products of the farm. Whatever may be said with respect to the significance of bacterial findings in milk in so far as relates to the causation of disease, there can be no question but that a large number of bacteria, regardless of variety, indicates either that the milk has been carelessly handled or else has been kept too long, or that both such conditions have existed. It follows, therefore, as between a given number of samples of milk of the same kind—raw milk, pasteurized milk, whole milk, skimmed milk, buttermilk, or cream—the one which contains the largest number of bacteria is the dirtiest or the oldest, and, as between a given number of farms similarly situated, that farm which sends the dirtiest or the oldest milk into the city needs the closest supervision. Which of these farms needs such supervision can be determined, however, only by a knowledge of the bacterial content of the output, and for the proper study of this matter it is essential that the health department be provided with a bacteriological laboratory properly equipped and manned for the purpose.

Inspection of dairies.—There were 59 licensed dairies, independent of dairy farms, under inspection during the year—that is, places where the sale of milk formed the principal or only business. These were inspected 1,432 times, representing an average number of inspections of 8.2 per inspector for every day actually worked, and an average frequency of inspection of 24.3 per dairy per annum. Substantially, one inspector devotes his entire time to this work.

Inspection of milk.—There were collected during the year, and chemically analyzed, 3,659 samples of milk, 101 of cream, 12 of skimmed milk, and 27 of buttermilk; in all 3,799 samples; an average of 10.4 for every working day. Of these samples, 431, or 11.3 per cent, fell below the legal standard, but many of these showed no substantial variation. Prosecutions were instituted in 135 cases, and fines and forfeitures collected amounting to \$885. Substantially, one inspector devotes his entire time to the collection of samples of milk and other foods for analysis.

Inspection of live stock.—There are yet 20 small slaughterhouses within the District, operating at irregular intervals, although by far the largest amount of killing is done at the larger establishments, some within the District and some located in Virginia, just across the Potomac River. Veterinary inspectors from the health department visited local stock yards and the small slaughterhouses referred to 553 times, and 2,867 animals were slaughtered under inspection. Twenty-one were condemned as unfit for food. This work is looked after by the 3 veterinary inspectors, whose primary duty it is to inspect dairy farms and whose headquarters are in Washington. Slaughtering at the larger establishments, practically all of which are engaged in interstate trade, is under the immediate supervision of the meat inspection service of the Bureau of Animal Industry, and such establishments, therefore, are not inspected by the health department.

Inspection of markets, grocery stores, etc.—The register of places where food is sold, which was opened on July 1, 1907, now contains 4,965 names, among which are the names of grocers, confectioners, druggists, bakers, and fish vendors, and the proprietors of market stalls, fruit stands, lunch rooms, saloons, and hotels. Of these places, 38,690 inspections were made during the year. The condemnation of food has continued as heretofore. Tables showing the gross amount of work done appear in the appendix.

SANITARY INSPECTION.

Tables showing the work done in the sanitary inspection service, including the number of nuisances reported during the fiscal year 1908-9, and the character of such nuisances, appear on page 59.

Under the system of registration, established for the purpose of facilitating systematic inspection, 645 barber shops now appear upon the register, and 969 stables, and the names of 2,606 persons who make a business of taking in washing. These barber shops were inspected during the year 3,053 times. No separate record has been kept of the frequency of the inspection of stables and the places where washing is done. All complaints received have been promptly acted upon, and 16,141 inspections have been made by sanitary inspectors independent of complaint. Nuisances were found and notices served for their correction in 18,365 cases, all of which nuisances, with the exception of 200, had been abated at the end of the fiscal year, the 200 excepted cases being merely such as are ordinarily on the books of the department and carried forward from day to day, representing current work.

Weeds.—No special work has been done under the act to cause the removal of weeds, because of the absence of any special provision for

its enforcement. Previous recommendations for the repeal or the substantial amendment of this act, or for the making of a special appropriation to carry it into effect, are renewed.

Smoke inspection.—There were in the District during the fiscal year 1908-9 somewhat more than 350 establishments under observation by the health department, to determine whether they were or were not complying with the smoke law. Ten thousand nine hundred and three observations were made and 1,015 emissions of dense or thick black or gray smoke were discovered. Of these emissions, however, by far the larger number were of such brief duration and so infrequent that it was not deemed good policy to institute prosecutions. The time spent by the inspector in court in the prosecution of such cases would have necessarily diminished his field work without, it is believed, any corresponding benefit. Seventy-seven cases, however, were referred to the police court for settlement. From these cases and from 5 that were pending at the beginning of the fiscal year, fines and forfeitures were collected amounting to \$1,465.

The following statement shows the amount and character of work done during the past year in comparison with work done during previous years:

Statement showing work done in the smoke-inspection service during the fiscal years 1906-1909.

	1906.	1907.	1908.	1909.
Number of observations.....			15,855	10,903
Violations of law reported.....	565	906	1,179	1,015
Cases referred to corporation counsel.....	106	72	103	77
Cases of fines and forfeitures.....	94	64	108	80
Cases of personal bonds taken.....		2		
Cases that were nolle-prossed.....	1		3	1
Cases acquitted.....	6	1	1	1
Cases pending.....	9	14	5	
Amount of fines and forfeitures.....	\$3,275	\$1,615	\$2,565	\$1,465

POUND SERVICE.

There were collected by the pound service during the fiscal year 6,498 dogs, 4,517 cats, 22 horses, 1 mule, 1 hog, and 3 goats—in all, 11,042 animals, an average of 36 per working day. Of the dogs collected, 1,429 were surrendered by their owners and 5,069 were impounded because unlawfully running at large. Thirty-seven dogs were sold, 5 returned without fee, on order of the commissioners, being dogs in transit through the District, 1,269 were redeemed by their owners, and 5,208 killed. All cats, 4,517, were killed. For the 37 dogs sold, \$74 was collected, fees for redeemed animals amounted to \$2,537, and there were collected for food furnished impounded animals, \$3.25. The total gross income from the pound service was, therefore, \$2,614.25.

In connection with this statement concerning the work of the pound service, however, it must be borne in mind that from June 16, 1908, to December 16, 1908, a muzzling proclamation was in force, and dogs, even though tagged, were impounded if unmuzzled. That this factor largely increased the work and the revenue of the pound service is shown by the following statement.

Statement showing comparative results of the work done by the pound service during the six months ended December 16, 1908, when a muzzling proclamation was in force, and during the corresponding period of 1907, when no muzzling order was in force.

	1907 (no muzzling).	1908 (muzzling).
Dogs:		
Captured.....	2,794	4,355
Untagged.....		3,340
Unmuzzled, but tagged.....		1,015
Redeemed.....	237	1,169
Fees collected.....	\$494	\$2,338
Returned without fees.....		2
Killed.....	2,507	4,053
Surrendered by and killed by request of owners.....	1,050	869
Cats collected and killed at request of owners.....	2,083	2,630
Horses:		
Captured.....	19	15
Redeemed.....	15	13
Fees collected.....	\$30	\$26
Sold.....	2	
Realized from sale.....	\$29	

The collection of cats at the request of their owners, with a view to the humane destruction of such animals, was discontinued on June 1, 1909, under instructions from the commissioners. Since that date and at present persons desiring to dispose of such animals may do so by bringing them to the pound, but the poundmaster does not collect them.

Statements showing in detail the work performed by the pound service during the year appear in the appendix.

OFFICIAL REGISTERS.

The following table shows the status of the official registers of physicians, dentists, midwives, and undertakers, required by law to be kept in the health department:

	Number on register July 1, 1908.	Registered during year.	Known deaths dur- ing year.	Number on register June 30, 1909.
Physicians.....	1,513	54	10	1,557
Dentists.....	639	22	4	657
Midwives.....	151	4	1	154
Undertakers.....	192	7	2	197

The health department has no way of ascertaining accurately the names of physicians, dentists, midwives, and undertakers who after having registered discontinue the practice of their professions or occupations in the District of Columbia because of death, removal from the District, or other reasons. The names on the registers, therefore, are in excess of the persons in the District who are actually engaged in such professions and occupations.

TRANSCRIPTS FROM RECORDS.

During the fiscal year 1908-9, 813 transcripts of records of births, marriages, and deaths were issued, from which the District derived

a revenue of \$406.50. In addition, 80 transcripts were issued to other branches of the Government, without fee, as follows:

Adjutant-General U. S. Army.....	8
Board of Charities, District of Columbia.....	2
Commissioner of Pensions.....	53
Corporation counsel, District of Columbia.....	1
Fire department, District of Columbia.....	1
Police department, District of Columbia.....	15
Total.....	80

REVENUES.

The health department is not primarily a revenue-producing branch of the District government. As an incident to its work, however, a considerable amount of money finds its way into the District treasury, as shown by the following statement:

Revenues derived from the operations of the health department during the fiscal year 1908-9.

Fines and forfeitures:	
Under the smoke law.....	\$1,465.00
Under the food laws and regulations.....	3,430.00
Under the nuisance laws.....	1,392.98
	<hr/>
	\$6,287.98
Pound fees, etc.:	
Fees.....	2,537.00
Sales.....	74.00
Food.....	3.25
	<hr/>
	2,614.25
Transcripts from records.....	406.50
	<hr/>
Total.....	9,308.73

In addition to the revenue stated above, the income from licenses for keeping dogs, \$21,498.63, is attributable to a large extent to the activity of the pound service. The amount of revenue derived as an incident to the work of the health department should, it is believed, be carefully considered in connection with any attempt made to determine the cost and value of the department.

SUMMARY OF WORK DONE.

The usual summary of the work done in the department in a somewhat enlarged and more detailed form appears in the appendix on pages 66-68. It marks another step in the effort that is being made by the department to develop an analytical table that will show the work of the department in its relation to the cost thereof.

PERSONNEL.

The appointment of inspectors on the basis of competitive examinations which has been followed with respect to the health department for some years past has proven extremely satisfactory. While it is true that men are sometimes appointed in the first instance who do not in the end prove qualified, yet since they are appointed in the beginning for probationary periods only, such men are early disconnected from the service. The type of employees and the character of work done has, it is believed, steadily improved since the mak-

ing of appointments on the basis of competitive examinations was begun. Provision should be made, however, for retiring men who have grown old in the service, if the highest type of work is to be accomplished. Moreover, as has been previously pointed out, the status of the employees of the department generally should, by law, be improved so as to insure them tenure of office during good behavior, so as to give for a reasonable period at least longevity pay, and so as to provide for their retirement with pay in event of disability received in the line of duty or in event of any disability whatsoever after long-continued service. Until this is done, the department can not expect to procure or retain the services of those best qualified for the performance of its work. And in principle there seems to be no reason why the health department could not be put upon the same favorable basis with respect to this matter as are certain other branches of the District government in which security of tenure of office and retirement and pension privileges are now assured by law. It is hoped that the commissioners may see their way clear at an early date to recommend legislation to improve the status of employees in the service of the health department.

Respectfully,

WM. C. WOODWARD, M. D.,
Health Officer.

The honorable COMMISSIONERS DISTRICT OF COLUMBIA.

APPENDIXES

TO THE

REPORT OF THE HEALTH OFFICER

OF THE

DISTRICT OF COLUMBIA.

The publication of these reports as appendixes to the report of the health officer is not to be construed to mean that the opinions and recommendations set forth in them have been adopted by the health department.



APPENDIX A.

REPORT OF THE INSPECTOR IN CHARGE OF THE CONTAGIOUS DISEASE SERVICE.

WASHINGTON, *October 15, 1909.*

SIR: I respectfully submit the following report of the work done in the contagious disease service for the fiscal year ending June 30, 1909:

During the calendar year 1908 all the reportable contagious diseases prevailed to a greater extent than during the preceding year, except in the case of chicken pox. In this disease there was a reduction of 50 per cent in the number of cases reported. In most of the diseases the mortality was also increased. During the year the department had to deal with quite an outbreak of smallpox, also one of typhoid fever and one of measles. These outbreaks considerably increased the work of the service.

DIPHTHERIA.

During the year ending December 31, 1908, 389 white and 92 colored cases of diphtheria were reported, making a total of 481 cases. During the preceding year 411 cases were reported, the increase occurring among the colored population, the rate per 100,000 rising from 35.3 in 1907 to 94.4 in the present year. The mortality, however, was much reduced. Twenty-two of the cases terminated fatally, 15 being white and 7 colored. The percentage of deaths to cases among the white population was 3.9; colored, 7.6; the total for all being 4.6. These figures when compared with those of the preceding year show the white mortality reduced from 5.6 to 3.9, the colored from 20.6 to 7.6, the total mortality from 6.8 to 4.6. The record shows that for several years past the mortality from diphtheria has been gradually declining. The disease prevailed in the proportion among the whites of 160.8 and among the colored 94.4 for each 100,000 of the population, and for the whole population in the proportion of 141.7 per 100,000.

From January 1 to June 30, 1909, 219 cases of diphtheria were reported as against 167 cases during the corresponding period of 1908. The percentage of fatal cases was also greatly increased, as will be seen from the following figures: Of these 219 cases reported 25 died, 19 being white and 6 colored. The percentage of deaths to cases was 10.2 for the white, 18.7 for the colored, and 11.4 for all. This increased mortality would indicate that the disease prevailing during the first half of 1909 was of a more severe type. It is hoped, however, that the latter half of the year will show an improvement both in the number of cases and in the death rate.

In September, 1908, an outbreak of diphtheria occurred in the National Training School for Boys, an institution coming under the jurisdiction of the United States Department of Justice. During the outbreak 49 cases occurred. Many of the cases presented few, if any, clinical symptoms. It was found, however, upon taking cultures from the throats of all of the inmates that a number contained the diphtheria bacilli, requiring the cases to be reported as diphtheria and the patients to be isolated. On account of the large number of cases it was found quite difficult to arrange for the proper isolation of the patients. The difficulty was, however, overcome by using the hospital and one other building, the latter being used only for suspect cases. No deaths occurred. In view of cases being found in every building except the administration building, it was necessary to disinfect the many buildings on the reservation with this single exception. This was a considerable undertaking and required a great deal of labor. The disinfection was done by the health department at the request of the officer in charge of the institution.

During the calendar year 2,875 cultures from the throats of certain patients were submitted to the health department for examination to determine the presence or absence of the diphtheria germ therein. One thousand seven hundred and fourteen of these were primary cultures, 427 being positive and 1,287 negative.

SCARLET FEVER.

Scarlet fever prevailed to a much greater extent during the year ending December 31, 1908 than in the preceding year. In 1907 only 168 cases were reported, while in the past calendar year 327 cases were reported, 300 white and 27 colored, an increase of 159 cases. Accompanying this increase in the number of cases was an increased mortality. Nine of the 327 cases terminated fatally, 8 being white and 1 colored. These figures give a percentage of deaths to cases among the whites of 2.7, colored 3.7, and 2.7 for all. The year 1907 only gave a mortality of 1.2 for the white, 0.0 for the colored, and 1.1 for all. As in the year 1907, the disease prevailed almost exclusively among the white population, 300 out of the total 327 cases occurring among the white people. The extent to which the disease prevailed among the whites was 120.4 and among the colored 27.7 for each 100,000 of the population, the total for all being 96.0.

From January 1 to June 30, 1909, 426 cases of scarlet fever were reported, a very decided increase as compared with the same period of the preceding year, when only 178 cases were reported. Of the 426 cases reported, 382 were white and only 44 colored. These figures again show the disease to be confined almost exclusively to the white population. The only explanation I can offer for this apparent undue prevalence of the disease among the whites is that the diagnosis of scarlet fever in the dark skin race is more difficult and doubtless cases are passed unrecognized. It is believed that the present rate of increase will not continue throughout the year. Of the 426 cases reported, 17 died, 12 white and 5 colored. These figures give a percentage of deaths to cases among the whites of 3.1, colored 11.4, and the total for all 4.0.

TYPHOID FEVER.

The typhoid fever situation remains practically unchanged since the last report, except that the percentage of fatal cases was slightly increased.

The total number of cases reported during the calendar year 1908 was 944, as against 945 for the preceding year. In 8 of these cases the diagnosis was subsequently changed as follows:

Number of diagnosis made.....	3
Pernicious malaria.....	1
Pulmonary tuberculosis.....	4
Total.....	8

Deducting these 8 cases from the 944 cases reported leaves a total of 936 cases to be accounted for. Of these 936 cases, 674 were white and 262 colored. One hundred and twenty-four of these cases terminated fatally, 88 whites and 36 colored, the percentage of deaths to cases being 13.1 for the white, 13.7 for the colored population, and 13.2 for all. These figures show an increased mortality among the whites, and a decreased mortality among the colored population, when compared with the year 1907. The disease prevailed among the white population in the proportion of 278.6, and among the colored 268.8, for each 100,000 of the population, while the rate per 100,000 for the entire population was 275.8.

During the first six months of the calendar year 1909, 292 cases of typhoid fever were reported, 234 white and 58 colored. Forty-five of these cases died, 31 white and 14 colored. During the corresponding period of last year 167 white and 54 colored cases were reported, making a total of 221. Twenty-four of these cases died, 16 white and 8 colored. It will be observed that not only was the number of cases reported during the first half of 1909 increased, but the mortality was also largely increased. The percentage of deaths to cases for this period in 1908 was 9.58 for the white and 14.82 for the colored, while in 1909 the white rate was 13.2 and the colored 24.0. From these figures it seems quite clear that the disease prevailing this present year was of a more severe type.

The health department, in conjunction with the United States Public Health and Marine-Hospital Service, is still engaged in an endeavor to discover the cause of the continued prevalence of typhoid fever in the District of Columbia. Nothing of importance has, however, been brought to light, except a case of a bacillus carrier who was found on one of the dairy farms supplying milk to customers residing in the western section of the city. The discovery of this carrier was brought about by an outbreak of typhoid fever in the western part of the city. Investigation showed that the cases were occurring among the customers of a certain dairyman. This dairyman obtained his milk supply from two farms located in Maryland. Both of these farms were visited, but no clew could be obtained. In carrying the investigation further it was decided to ascertain, if possible, if any of the persons employed on the dairy farm (suspicion having been directed to one farm only) were bacillus carriers. The necessary specimens were obtained and examined, and confirmed suspicions. As soon as the milk supply from this farm was stopped the number of cases reported began

to drop off at once. Before the outbreak was over 53 cases occurred, 8 of which resulted fatally.

In 916 of the cases reported, the following information was obtained:

Cases contracted outside of the District of Columbia.....	156
Cases contracted from others.....	48
Cases contracted from milk.....	53
Cases using Potomac water alone.....	572
Cases using Potomac water and other waters.....	57
Cases using well water.....	20
Cases using spring water.....	9
Cases using bottled water.....	1
Total.....	916

The preceding table shows that 62.6 of all of the cases in which histories were obtainable used Potomac water exclusively. The following table shows the occupation of those affected:

Agricultural Department clerks.....	3	Drummer.....	1
Apprentice plate printer.....	1	Editor.....	1
Architect and builder.....	1	Electrician.....	1
Artists.....	2	Elevator operator.....	1
Attorneys.....	2	Engineers (stationary).....	2
Bakers.....	3	Examiner, civil service.....	1
Barbers.....	2	Farmers.....	2
Bartenders.....	2	Feed dealer.....	1
Blacksmiths.....	2	Firemen.....	3
Boiler maker.....	1	Florists.....	2
Bookkeepers.....	5	Foremen.....	3
Bottlers.....	2	Gardener.....	1
Brewers.....	2	Geological Survey apprentice.....	1
Bricklayers.....	2	Government Printing Office clerk.....	1
Brickmaker.....	1	Grocers.....	4
Butlers.....	2	Guard, house of detention.....	1
Buyer.....	1	Hardware dealer.....	1
Canal boatman.....	1	Hair dresser.....	1
Car cleaner.....	1	Hod carrier.....	1
Carpenters.....	2	Hostlers.....	3
Cashiers.....	3	Hospital orderlies.....	2
Caterers.....	2	Hotel clerk.....	1
Census Office clerks.....	4	Hucksters.....	4
Chandelier setter.....	1	Inspector of buildings, St. Elizabeth.....	1
Charwoman.....	1	Iron workers' helpers.....	2
Chauffeur.....	1	Jobbers.....	1
Chemist.....	1	Jockey.....	1
Civil engineer.....	1	Junk dealer.....	1
Clergyman.....	2	Laborers (miscellaneous).....	37
Clerks (miscellaneous).....	30	Laundresses.....	7
Collector.....	1	Laundry proprietor.....	1
Commerce and Labor Department clerks.....	3	Lawyer.....	1
Conductors.....	5	Letter carrier.....	1
Congressman.....	1	Lithographers.....	1
Contractor.....	1	Machinists.....	8
Converter, navy-yard.....	1	Managers.....	5
Cooks.....	3	Messengers.....	7
Correspondent.....	1	Milliner.....	1
Deck hand.....	1	Minister and teacher.....	1
District government clerk.....	1	Motormen.....	4
Domestics.....	22	Molder.....	1
Draftsman.....	1	Navy-yard clerks.....	2
Dressmakers.....	3	Newsboy.....	1
Drivers.....	16	Nurses.....	2
Drug clerks.....	2	Office boy.....	1
Druggists.....	2	Paper cutter.....	1
		Paper hanger.....	1

Paymaster.....	1	School-teachers.....	6
Pension Office clerk.....	1	Scholars.....	147
Photographer.....	1	Seamstress.....	1
Physicians.....	2	Shoemaker.....	1
Picture-frame maker.....	1	Soldiers.....	3
Plate printers.....	2	Steam fitter.....	1
Plasterer.....	1	Stenographers.....	6
Plumbers.....	4	Stewards.....	2
Policemen.....	3	Stock boy.....	1
Porters.....	8	Stoker.....	1
Post-Office Department clerks.....	2	Stone mason.....	1
Press cleaner.....	1	Storekeeper.....	1
Pressman.....	1	Students.....	11
Printers.....	2	Surveyor.....	1
Prisoner.....	1	Tailors.....	2
Proprietor lunch room.....	1	Telephone operators.....	4
Railroad contractor.....	1	Timers.....	3
Railroad engineer.....	1	Train crier.....	1
Railroad fireman.....	1	Trained nurses.....	5
Railway postal clerk.....	1	Typewriter.....	1
Real estate dealers.....	5	United States Senator.....	1
Reporter.....	1	Undertaker.....	1
Route agent.....	1	Waiters.....	4
Sailors.....	3	Waitresses.....	2
St. Elizabeth patient.....	1	War Department clerk.....	1
Saleswomen.....	2	Watchmen.....	2
Salesmen.....	11		

SMALLPOX.

An outbreak of smallpox which started in the southwest section of the city during the latter part of September, 1907, and which was referred to in last year's report, continued until the month of May, 1908, at which time it abated. This outbreak was responsible for the great increase in the number of cases reported over the preceding year. During the year ending December 31, 1907, only 7 cases were reported, while for the year 1908, 193 cases were reported. This outbreak was confined almost exclusively to the colored population, 171 of the cases reported being of that race. All but 7 of the cases occurring in 1908 were treated at the smallpox hospital, and, although some were of very severe type and others complicated with other diseases, it is gratifying to report that all recovered. The youngest patient in the hospital was 13 days old, and the oldest 57 years.

Smallpox prevailed among the white race in the proportion of 9.1 and the colored race 175.4 per each 100,000 of the population, while the percentage for all was 57.0.

The smallpox hospital was open 251 days between January 1 and December 31, 1908, the total number of patients being 186 and the total number of patient days 3,040. The average number of patients per day per quarantine period was 0.74, and the average number of days per patient was for the quarantine period 12.1 and for the year 8.3.

The quarantine station was open 218 days between January 1 and December 31, 1908. During this period 213 persons were admitted, the total number of inmate days being 2,515. The average number of days for each inmate per quarantine period was 11.5 and for the year 6.9, and the average number of inmates per day was 0.98 during the time the quarantine station was open.

From January 1 to June 30, 1909, only 12 cases of smallpox were reported, 5 being white and 7 colored. There were no fatal cases.

These figures show a decided improvement over the conditions existing during the corresponding period of the previous year.

MEASLES.

From January 1 to December 31, 1908, 1,178 cases of measles were reported, 875 being white and 303 colored. These figures indicate a large increase over the preceding year, but since the registration law was not enacted until February 9, 1907, proper figures for comparison are not available. Of the 1,178 cases reported, only 2 terminated fatally, both being white, the percentage of deaths to cases being 0.2 for the white. For each 100,000 of the population the white race furnished 361.7 cases, the colored 310.9, and the whole population 347.1.

Some time during the latter part of November, 1908, a serious epidemic of measles commenced, and it continued until about July 1, 1909.

From January 1 to June 30, 1909, 6,379 cases were reported; 5,370 were white and 1,009 colored. Of all the cases reported 36 died, 27 white and 9 colored, the percentage of deaths to cases being 0.5 for the whites and 0.9 for the colored, while the percentage for all was 0.6. Owing to this epidemic hundreds of children were kept out of school. It was found while the epidemic was in progress that excluding children from school who lived in houses where measles existed had very little, if any, influence in preventing the spread of the disease. In view of this fact and of the further fact that many of these children were losing valuable time from their studies, the health officer, on March 20, 1909, recommended to the Commissioners of the District of Columbia that that part of the regulations governing the medical inspection of schools which required children who resided in premises where measles existed to remain away from school during the continuance of the case be amended so as to permit all such children presenting satisfactory evidence to the health officer that they themselves had previously suffered from a well-defined attack of measles to continue in attendance at school, notwithstanding the fact that some of the other occupants of the same premises were sick with the disease. This recommendation of the health officer was approved by the commissioners and the board of education on March 22, and went into effect at once. I am satisfied that many children suffering from measles, and whose parents did not employ the services of a physician, were permitted by the parents to return to school before the patient had entirely recovered from his or her attack, and in this manner assisted very materially in spreading the disease. While the record shows that 6,379 cases were reported during the first six months of the calendar year 1909, I am quite certain that very many other cases occurred in which the services of physicians were not called into requisition and in which the parent or other person in charge of the patient failed to make the report of the case as required by law.

WHOOPING COUGH.

During the calendar year 1908, 480 cases of whooping cough were reported, 339 white and 141 colored. Of this number, 38 died, 9 white and 29 colored. The prevalence of this disease among the

white race was in the proportion 140.1, among the colored race 144.6 to each 100,000 of the population, and among the entire population per 100,000, 141.4. The percentage of deaths to cases was 2.6 for the whites, 20.6 for the colored, and 7.9 for all. In comparison with the preceding year these figures show a decreased percentage of deaths for the white and an increased for the colored population. The marked difference in the death rate between the white and colored cases is doubtless accounted for by reason of the better care and environments of the average white child.

From January 1 to June 30, 1909, 326 cases were reported as against 314 during the corresponding period of last year. Two hundred and seventy-one of these cases were white and 55 colored. Eight white and 6 colored patients died. The percentage of deaths to cases was 2.9 for the white, 10.9 for the colored, and 4.3 for all.

CHICKEN POX.

Five hundred and twenty-two cases of chicken pox were reported during the year ending December 31, 1908, 435 being white and 87 colored. For each 100,000 of population the disease prevailed among the whites in the proportion of 179.8 and the colored 89.2, while for the whole population it was 153.5. There were no fatalities. From January 1 to June 30, 1909, 391 cases were reported, 335 being white and 56 colored, with no deaths.

EPIDEMIC CEREBRO-SPINAL MENINGITIS.

Between January 1 and December 31, 1908, 33 cases of epidemic cerebro-spinal meningitis were reported, 16 white and 17 colored. The number of fatal cases was 20, white 10 and colored 10. The percentage of deaths to cases was for the whites 62.5 and for the colored 58.8, while for all it was 60.6. It will be observed that the mortality was greater among the whites. During the year 1907 the percentage of fatalities for the white race was 60.0 and for the colored 100. These figures show an increased mortality for the white and very marked reduction for the colored race over the preceding year. The prevalence of the disease was in the proportion of 6.6 for the white and 17.4 for the colored for each 100,000 of the population, while for the total population it was 60.60.

From January 1 to June 30, 1909, 10 cases were reported, 8 white and 2 colored, with 4 deaths, all white, the percentage of deaths to cases being 50.0 for the white.

LEPROSY.

On August 21, 1908, a white man, 35 years of age, was reported to the health department as a suspected case of leprosy. The case was promptly investigated by the department, and from the clinical symptoms presented by the patient and from the bacteriological examination of sections of tissues removed from him a positive diagnosis was made, the microscopic slides showing the presence of numerous lepra bacilli. As the department had no building in which the patient could be isolated as the law required, a tent was erected on the government reservation, No. 13, near the smallpox quarantine station.

As soon as the diagnosis of leprosy was confirmed, efforts were made to have him returned to his home in Lynn, N. C. The authorities of that State, however, refused to allow him to return. When it became evident that the District of Columbia must permanently care for this patient, an effort was made to obtain possession of a brick building on the same reservation, No. 13, which was then occupied by the family of an employee of the District government. Before, however, this building could be used by the patient and his family (the members of his family having come to Washington from their home in North Carolina) it was necessary to remodel the house so as to permit of the complete isolation of the patient from the other members of his household. The work of remodeling the structure was completed and the building taken possession of by the patient about December 1, 1908. The following history of the case was obtained from the patient:

I was a soldier in the United States Army; saw service in Cuba in 1898-99; returned to the United States in 1899 and went to Chicago, Ill., and from there to the Philippines in 1901, remaining in that country until May, 1903, when I again returned to the United States; was taken sick about May 1, 1908—numbness in legs, depressed and sluggish feeling, shooting pains in both arms and legs. Eruption (nodular) appeared on forehead about one year previously; severe nasal catarrh preceding eruption.

At the time of this man's appearance in Washington both hands and forearms were edematous, with a number of nodules of various sizes on the wrists. Both legs were also edematous. A number of nodules were also on the forehead, face, and neck. The ulnar nerves were enlarged. There was a number of macular spots (brownish in color) on the legs and on the back, mostly around the waist line and on the buttocks. A number of these spots were pricked with a sharp instrument and were found to be without sensation (anæsthetic), while the normal skin had perfect sensation. The patient was given "chaulmoogra" oil in increasing doses, finally reaching about 23 drops three times a day. There being no facilities for the purpose, systematic bathing could not be carried out until after the removal from the tent to the permanent building referred to above. After taking chaulmoogra oil for some time the patient discontinued its use and refused further medical advice. The lesions increased (nodules) for some time after he first came under the care of the health department. Later they began to recede and finally disappeared, leaving only the macular spots, with the increase of anæsthesia.

GLANDERS.

On March 31, 1909, a young white man, 19 years of age, was reported to the health department as suffering from glanders (farcy form). This man stated that he was employed in a large sales stable in the western section of the city. During the time of his employment, and immediately preceding the onset of his illness, he attended horses, some of which were sick with "colds" and had a discharge from the nose. The horses were only kept in the stable for a few days until a time when they could be sold and sent away. Upon the discovery of this case of glanders, one of the veterinarians connected with the health department was immediately sent to the stable in question and examined the animals found therein. He was, however, unable to discover any evidence of glanders among them. The

proprietor of the stable stated that some of the horses that he had recently disposed of had "shipping colds."

The patient was taken sick on or about March 26, 1909, with "fever and sluggishness." He applied at one of the hospitals for treatment and his case was diagnosed and reported to the health department. About twenty-four hours after the case was reported, he was removed to the quarantine station for treatment (there being no facilities for proper treatment at his home). At the time of his admission at the quarantine station his temperature was 100.2, pulse 120, both hands and arms being edematous, with considerable erythema and involvement of the lymphatics of the arms. There was, however, no nasal discharge. The left hand showed two ulcers (about the size of a dime), one near the wrist joint and the other near the second joint of the index finger. The fingers of the right hand were very much swollen and glazed in appearance. Dressings wetted with carbolic acid solution were applied to both hands for about twenty-four hours. Afterward bichloride dressings were used. The fingers of the right hand were punctured and thoroughly washed out with bichloride solution. The patient was put on a liquid diet and given ferri chloride and quinine internally. The improvement was gradual but steady, and he was discharged, cured, April 29, 1909. Inoculations of guinea pigs with serum taken from the fingers of the patient were made by Dr. J. J. Kinyoun, of the department. The reaction was prompt and the animals died.

The occurrence of this case of leprosy and glanders was unusual in the history of the District of Columbia, these being the only cases of the kind ever occurring in the District so far as the records show.

TUBERCULOSIS.

The act requiring all cases of pulmonary and other communicable forms of tuberculosis to be reported was approved May 13, 1908. From the date of approval to December 31, 1908, 925 cases were reported, 467 white and 458 colored. Four hundred and thirty of these died, 183 white and 247 colored. The percentage of deaths to cases was 29.2 for the white, 54 for the colored, and 46.5 for the whole population. The disease prevailed among the whites in the proportion of 193, and the colored 470.9 for each 100,000 of population, while for the entire population it was 272.5 for each 100,000. The white population furnished 50.5 and the colored 49.5 per cent of all the cases reported.

It is interesting to note the much greater prevalence of the disease among the colored population, also the much greater mortality.

From January 1 to June 30, 1909, 736 cases were reported, 353 white and 383 colored. Three hundred and eighty-eight of these cases resulted fatally, 167 white and 221 colored. These figures show a percentage of deaths to cases for the whites 47.3 and for the colored 57.7. The greatest number of cases occurred between the ages of 20 and 30.

The laboratory for the examination of sputum from persons suspected to be suffering from pulmonary tuberculosis was not properly equipped for doing this work until about August 11, 1908. From that period until December 31, 1908, 314 specimens of sputum were examined. In 96 cases the tubercle bacilli were found, while in the remaining 218 cases the bacillus was not found.

ISOLATING WARDS.

The following tables show the number of patients treated and the disease for which said patients were treated, together with the total number of patient days, and the average number of days per patient during the fiscal year 1908-9:

GARFIELD HOSPITAL.

Diseases.	Cases.	Hospital days.	Average duration.
FREE CASES.			
Scarlet fever.....	87	3,319	38.1
Scarlet-fever suspect.....	7	111	15.8
Measles.....	105	1,679	16.0
Whooping cough.....	8	111	13.9
Chickenpox.....	4	100	25.0
Mumps.....	3	21	7.0
Erysipelas.....	14	273	19.5
Diphtheria.....	1	3	3.0
Diphtheria suspect.....	1	2	2.0
Epidemic cerebro-spinal meningitis.....	1	2	2.0
Tonsillitis.....	1	2	2.0
Total.....	232	5,623	24.2
PRIVATE CASES.			
Scarlet fever.....	44	1,372	31.1
Diphtheria.....	5	60	12.0
Diphtheria suspect.....	1	2	2.0
Erysipelas.....	9	121	13.4
Measles.....	21	247	11.8
Total.....	80	1,802	22.5

PROVIDENCE HOSPITAL.

FREE CASES.			
Diphtheria.....	88	1,404	16.0
Diphtheria suspect.....	26	77	3.0
Total.....	114	1,481	13.0
PRIVATE CASES.			
Diphtheria.....	20	335	16.7
Total.....	20	335	16.7

DISINFECTING SERVICE.

Nothing unusual has occurred in the disinfecting service during the past year. The amount of work done, however, is considerably in excess of the preceding year. During the calendar year 1908, 1,391 premises were disinfected as follows:

Diphtheria.....	417	Measles.....	8
Scarlet fever.....	269	Leprosy.....	1
Smallpox.....	160	Erysipelas.....	5
Tuberculosis.....	515	Glanders.....	1
Epidemic cerebro-spinal meningitis.....	10	Total.....	1,391
Typhoid fever.....	5		

The increase in the number of premises disinfected was due to tuberculosis, the act relating to this disease being put into operation July 1, 1908.

During the year, 1,478 test cultures were examined to determine the efficiency of the disinfection. In 1,303, or 88.2 per cent of the cultures examined, the organisms were killed, while in 175, or 11.8 per cent they were not.

The following articles were disinfected at the disinfecting station:

Mattresses.....	289	Rugs.....	424
Feather beds.....	121	Cushions.....	220
Bolsters.....	252	Couches.....	1
Pillows.....	1,748	Portieres.....	6
Carpets.....	39	Books.....	52
Quilts.....	891		
Blankets.....	896	Total.....	4,971
Mattings.....	32		

MEDICAL INSPECTION OF SCHOOLS.

Nothing unusual occurred during the school year 1908-9. I am pleased to report that greater care has apparently been exercised by the teachers during the term just closed in requiring pupils to be successfully vaccinated before being admitted to school. Several times during the year certain pupils were found in school, some of whom were suffering from scarlet fever, and others from diphtheria. Because of this fact it was found necessary to disinfect 27 school rooms for diphtheria and 19 for scarlet fever. One room was also disinfected on account of smallpox. No serious outbreak resulted from these cases.

In the latter part of November, 1908, an epidemic of measles began, which continued until June, 1909. During the course of this epidemic approximately 6,600 cases were reported, a very large percentage of which were school children. In my judgment this does not represent more than about 75 per cent of the cases occurring in this District, as many children suffering from measles were not attended by physicians and were, consequently, not reported. The epidemic was of a mild form, very few fatalities occurring.

The following table shows that during the school year the largest number of exclusions were for pediculosis, 216 being for that cause, 208 white and only 8 colored. In former reports relative to this subject I expressed an opinion that the fact that pediculosis was found so much more frequently among the white children was due to the subject being given much more careful attention by the white teachers than by the colored. I am still of the same opinion. A comparison of these figures with those of last year shows a reduction in the number excluded for pediculosis from 342 to 233. In the case of chickenpox the number was reduced from 119 to 53. Eighty pupils were found in school suffering from measles and were excluded, and 109 were also excluded because of having been exposed to measles.

Statement showing the number and causes of exclusions from school on account of the health of the pupil—Continued.

Cause.	1904-5.		1905-6.		1906-7.		1907-8.		1908-9.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Measles.....	20	13	105	66	8	4	40	40	47	33
Suspected.....										3
Exposure to.....	34	5	87	35	6		32	7	103	6
Measles, German.....	3	2	3	3		2	27	8		1
Meibomian cysts.....										1
Migraine.....										6
Miliaria rubra.....										1
Mumps.....	5	2	49	35	129	8	98	15	19	2
Myalgia.....			1	1						
Myopia.....			1			1				
Narcotism.....				2						
Nasal catarrh.....						1				
Otitis.....									1	
Acute.....	4		3							1
Suppurative.....					1	1				
Media.....			2				2		1	1
Media suppurative.....			2							
Media and pediculosis capitis.....			1							
Otorrhea.....	1			1						
Ozena.....		1							9	3
Pediculosis.....	229	11	205	6	132	12	337	5	208	8
Capitis.....										
Capitis and blepharitis marginalis.....									1	
Capitis and conjunctivitis.....						1			1	
Capitis and eczema.....									1	
Capitis and tinea circinata.....									2	
Corporis.....						1				
Pemphigus.....									1	
Pharyngitis.....	4	2	1	5	1					1
Phlegmon.....							1			
Pleurisy.....		1					1			
Pleurodynia.....	1		1							
Pott's disease.....				1						
Pyæmia.....									1	1
Rash on cheek.....									1	
Refused examination.....	12		2						1	
Rhinitis.....			3			1	1			3
Rhus poisoning.....			3		2					
Ringworms.....	52	59	64	52			5		2	1
Ringworms and eczema.....			1							
Ringworms and pediculosis capitis.....			1							
Scabies.....	12	1	22	4	35	4	62		60	7
Scabies and pediculosis.....			4							
Scarlatina.....	10		4	1	17	1	4	1	7	5
Exposed to.....	22	2	4	4	54	2	6	1	15	2
Suspected.....									1	1
Suspected and whooping cough.....			1							
Serofulosis.....										2
Smallpox.....			2	1						
Exposed to.....	2		14	2			1	2		
Sore neck.....							1			
Stomatitis.....	1									
Stye.....			1							
Supraorbital contusion.....									1	
Syncope.....		1		1					1	
Syphilis.....										1
Second eruption.....						2				
Tonsillitis.....			20	6	22	6	21	5	35	24
Shown by cultures (diphtheria suspected).....			26							
To obtain physician's certificate.....									1	
Toothache.....			1						1	
Trachoma.....	5		1				4			
Tuberculosis.....					2	2				
Tinea.....					8	12				
Capitis.....					7	22	8	8	5	26
Circinata.....					18	9	39	11	45	12
Tonsurans.....					3		6	3	3	
Tonsillitis, follicular.....										1
Ulcer of cornea, hypopyon.....									1	
Ulcer of mouth.....	1	2		2						

Statement showing the number and causes of exclusions from school on account of the health of the pupil—Continued.

Cause.	1904-5.		1905-6.		1906-7.		1907-8.		1908-9.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Undetermined.....				2			1		1	
Urine, incontinence of.....					2					
Urethritis.....										1
Urticaria.....		1								
Vaccinated, not.....			35	40				1		150
Vaccinia.....			1	1						5
Whooping cough.....	28	2	60	21	22	4	20	10	7	4
Suspect.....									1	
Wound of eye.....			1							
Wounds, miscellaneous.....	2	2	2		1					
Total number of ex- clusions.....	735	192	1,039	370	800	175	987	181	806	380
Grand total.....	927		1,409		975		1,168		1,186	

During the school term the medical inspectors made 9,197 visits to the school buildings and 105 visits to the residences of the pupils. Fifteen thousand four hundred and forty-three examinations of pupils were made, and 1,186 exclusions for cause ordered, as shown in the accompanying table. Ten thousand nine hundred and fifty-two examinations for readmission resulted in the return of the pupils. Two thousand three hundred and thirty-six pupils were examined to ascertain if they had been successfully vaccinated, and 648 had not.

Physical examinations were made of 240 candidates for admission to the normal schools, 109 white and 131 colored. Of the white candidates 17, and of the colored, 37, were found to have some defect of vision, and it was recommended that they be required to wear proper glasses. One white candidate failed to pass the required physical examination.

During the period from July 1, 1908, to June 30, 1909, 1,248 children were physically examined at the request of the board of education under the provisions of the child-labor law, the object of the examination being to determine if the children were physically able to perform the duties of the positions they desired to fill. A number of applicants for permits to work were found to be physically unfit for the work, and, on the recommendation of the health department, the board of education refused to issue permits in these cases. I regret very much that the record fails to show how many of the candidates failed to obtain the necessary permit.

PUBLIC CREMATORIUM.

On April 20, 1906, Congress approved an act for the establishment of a public crematorium in the District of Columbia, and for other purposes. In the same act an appropriation of \$15,000 was made for the construction of a crematorium on reservation 13, and all the necessary approaches thereto and for all the necessary grading and fencing, and for the equipment of said crematorium, and for the maintenance and operation of said crematorium until the 30th of June next following its completion. This building was completed and turned over to the health department in October, 1908. In providing

for the erection and maintenance of the crematorium, the act further provides that the dead bodies of all persons in the District of Columbia that can not be disposed of except at public expense, be incinerated at the public crematorium. The same act also confers upon the Commissioners of the District of Columbia the authority to prescribe and collect for the incineration of bodies not necessarily disposed of at public expense, fees in such amounts as may be required to defray the cost of incineration. After considering the cost of labor, fuel, light, and wear and tear on the furnace, it was believed that a fee of \$25 would be reasonable for the incineration of the bodies of persons other than those to be disposed of at public expense. That amount has, therefore, been agreed upon by the commissioners as the fee for the cremation of such bodies.

From the time that the crematorium was put into operation in October, 1908, up to June 30, 1909, the bodies of 87 adults and 332 infants have been cremated. It is to be regretted that the roadway of B street SE., east of Nineteenth street, which road leads to the crematorium, is in such bad condition. During bad weather the road is almost impassable. I respectfully recommend that an effort be made to have this roadway put in proper condition. I recommend further that the roadway in reservation 13, leading to the smallpox hospital and quarantine station be properly lighted, so as to render travel on such roads safe at night. I further recommend that proper fire protection be provided for the smallpox hospital and quarantine station.

The usual tables accompany this report.

Respectfully,

W. C. FOWLER, M. D.,

Inspector in Charge of the Contagious Disease Service.

TABLE 1.—*Reported cases of diphtheria, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	43	2	7	1	50	1
February.....	24	1	2	2	26	2
March.....	26	1	3	2	29	1
April.....	28	3	3	2	31	3
May.....	11	1	8	2	19	2
June.....	10	1	2	1	12	2
July.....	11	1	1	1	11	2
August.....	10	1	1	1	11	1
September.....	38	1	40	2	78	3
October.....	58	2	11	2	69	3
November.....	61	3	4	2	72	3
December.....	69	3	4	2	73	3
Total.....	389	15	92	7	481	22

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 population.....	160.8	94.4	141.7
Percentage of deaths to cases.....	3.9	7.6	4.6

TABLE 2.—*Ages of cases and deaths from diphtheria from January 1, to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	4	1	25.0	3	1	33.3	1	1	100.0
From 1 to 5 years.....	100	13	13.0	83	10	12.0	17	3	17.6
From 5 to 10 years.....	164	5	3.0	149	3	2.0	15	2	13.3
From 10 to 20 years.....	162	3	1.8	109	2	1.8	53	1	1.9
From 20 to 30 years.....	30	1	3.3	26	1	3.8	4	1	25.0
From 30 to 40 years.....	11	1	9.1	11	1	9.1	1	1	100.0
From 40 to 50 years.....	8	1	12.5	7	1	14.3	1	1	100.0
From 50 to 60 years.....	1	1	100.0	1	1	100.0	1	1	100.0
From 60 to 70 years.....	1	1	100.0	1	1	100.0	1	1	100.0
Over 70 years.....	1	1	100.0	1	1	100.0	1	1	100.0
Total.....	481	22	4.6	389	15	3.9	92	7	7.6

TABLE 3.—*Reported cases of scarlet fever, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	43	2	4	1	47	2
February.....	30	1	6	2	36	2
March.....	32	1	6	2	38	1
April.....	26	2	2	2	28	2
May.....	26	1	1	1	27	1
June.....	7	1	1	1	8	1
July.....	7	1	1	1	8	1
August.....	5	1	1	1	6	1
September.....	11	1	1	1	12	1
October.....	25	1	6	1	31	1
November.....	38	2	6	1	44	3
December.....	50	2	6	1	56	3
Total.....	300	8	27	1	327	9

TABLE 3.—*Reported cases of scarlet fever, by race and by months, during the calendar year 1908, with certain data relative thereto—Continued.*

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 population.....	124.0	27.7	96.0
Percentage of deaths to cases.....	2.7	3.7	2.7

TABLE 4.—*Ages of cases and deaths from scarlet fever from January 1 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	7	2	28.6	4	1	25.0	3	1	33.3
From 1 to 5 years.....	64	4	6.3	58	4	6.9	6	.....	.....
From 5 to 10 years.....	153	2	1.3	140	2	1.4	13	.....	.....
From 10 to 20 years.....	71	1	1.4	67	1	1.5	4	.....	.....
From 20 to 30 years.....	22	.....	.....	22	.....	.....	.....	.....	.....
From 30 to 40 years.....	6	.....	.....	6	.....	.....	.....	.....	.....
From 40 to 50 years.....	3	.....	.....	2	.....	.....	1	.....	.....
From 50 to 60 years.....	1	.....	.....	1	.....	.....	.....	.....	.....
From 60 to 70 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Over 70 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	327	9	2.7	300	8	2.7	27	1	3.7

TABLE 5.—*Reported cases of typhoid fever, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	25	2	12	2	37	4
February.....	13	1	1	.....	14	1
March.....	21	1	4	.....	25	1
April.....	35	5	8	3	43	8
May.....	32	5	7	3	39	8
June.....	41	3	21	.....	62	3
July.....	63	7	45	8	108	15
August.....	111	9	51	4	162	13
September.....	105	16	50	7	155	23
October.....	127	16	26	3	153	19
November.....	50	13	21	3	71	16
December.....	51	10	16	3	67	13
Total.....	674	88	262	36	936	124

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	278.6	268.8	275.8
Percentage of deaths to cases.....	13.1	13.7	13.2

TABLE 6.—*Ages of cases and deaths from typhoid fever from January 1 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Percent of mortality.	Cases.	Deaths.	Percent of mortality.
Under 1 year.....									
From 1 to 5 years.....	41	6	14.6	30	6	20.0	11		
From 5 to 10 years.....	119	9	7.6	73	4	5.5	46	5	10.9
From 10 to 20 years.....	285	25	8.8	190	15	7.9	95	10	10.5
From 20 to 30 years.....	277	45	16.2	207	30	14.5	70	15	21.4
From 30 to 40 years.....	150	24	16.0	123	21	17.1	27	3	11.1
From 40 to 50 years.....	42	10	23.8	33	7	21.2	9	3	33.3
From 50 to 60 years.....	14	3	21.4	10	3	30.0	4		
From 60 to 70 years.....	7	2	28.6	7	2	28.6			
Over 70 years.....	1			1					
Total.....	936	124	13.2	674	88	13.1	262	36	13.7

TABLE 7.—*Reported cases of smallpox, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	1		22		23	
February.....	1		41		42	
March.....	7		48		55	
April.....	12		20		32	
May.....			20		20	
June.....	1		7		8	
July.....						
August.....						
September.....						
October.....			9		9	
November.....			2		2	
December.....			2		2	
Total.....	22		171		193	

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	9.1	175.4	57.0
Percentage of deaths to cases.....	0	0	0

TABLE 8.—*Ages of cases and deaths from smallpox from January 1 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Percent of mortality.	Cases.	Deaths.	Percent of mortality.
Under 1 year.....	3			2			1		
From 1 to 5 years.....	23			4			19		
From 5 to 10 years.....	21			2			19		
From 10 to 20 years.....	43			3			40		
From 20 to 30 years.....	56			8			48		
From 30 to 40 years.....	35			2			33		
From 40 to 50 years.....	7			1			6		
From 50 to 60 years.....	5						5		
From 60 to 70 years.....									
Over 70 years.....									
Total.....	193			22			171		

TABLE 9.—*Reported cases of measles, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	24		2		26	
February.....	67	1	11		78	1
March.....	155		19		174	
April.....	101		22		123	
May.....	156		57		213	
June.....	110		50		160	
July.....	52		10		62	
August.....	11		7		18	
September.....	4		4		8	
October.....	10		15		25	
November.....	8		47		55	
December.....	177	1	59		236	1
Total.....	875	2	303		1,178	2

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	361.7	310.9	347.1
Percentage of deaths to cases.....	.2		.2

TABLE 10.—*Ages of cases and deaths from measles from January 1 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	33	2	6.0	25	2	8.0	8		
From 1 to 5 years.....	265			188			77		
From 5 to 10 years.....	499			362			137		
From 10 to 20 years.....	233			175			58		
From 20 to 30 years.....	121			105			16		
From 30 to 40 years.....	21			15			6		
From 40 to 50 years.....	5			4			1		
From 50 to 60 years.....	1			1					
From 60 to 70 years.....									
Over 70 years.....									
Total.....	1,178	2	.2	875	2	.2	303		

TABLE 11.—*Reported cases of whooping cough, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	40	2	7	1	47	3
February.....	47	3	7	3	54	6
March.....	29	2	5	1	34	3
April.....	42		11	2	53	2
May.....	45		17	3	62	3
June.....	39		21	2	60	2
July.....	21		31	9	52	9
August.....	35	1	14	4	49	5
September.....	15		10	1	25	1
October.....	15	1	9	2	24	3
November.....	5		8		13	
December.....	6		1	1	7	1
Total.....	339	9	141	29	480	38

TABLE 11.—*Reported cases of whooping cough, by race and by months, during the calendar year 1908, with certain data relative thereto—Continued.*

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	140.1	144.6	141.4
Percentage of deaths to cases.....	2.6	20.6	7.9

TABLE 12.—*Ages of cases and deaths from whooping cough from January 1 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	64	14	21.9	36	2	5.6	28	12	43.9
From 1 to 5 years.....	227	21	9.2	157	7	4.5	70	14	20.0
From 5 to 10 years.....	153	3	2.0	116	.....	.....	37	3	8.1
From 10 to 20 years.....	21	.....	.....	18	.....	.....	3	.....	.....
From 20 to 30 years.....	7	.....	.....	5	.....	.....	2	.....	.....
From 30 to 40 years.....	2	.....	.....	1	.....	.....	1	.....	.....
From 40 to 50 years.....	3	.....	.....	3	.....	.....	.....	.....	.....
From 50 to 60 years.....	2	.....	.....	2	.....	.....	.....	.....	.....
From 60 to 70 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Over 70 years.....	1	.....	.....	1	.....	.....	.....	.....	.....
Total.....	480	38	7.9	339	9	2.6	141	29	20.6

TABLE 13.—*Reported cases of chickenpox, by race and by months, during the calendar year 1908, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	106	.....	25	.....	131	.....
February.....	86	.....	17	.....	103	.....
March.....	50	.....	13	.....	63	.....
April.....	39	.....	5	.....	44	.....
May.....	16	.....	6	.....	22	.....
June.....	17	.....	.....	.....	17	.....
July.....	7	.....	.....	.....	7	.....
August.....	1	.....	1	.....	2	.....
September.....	3	.....	.....	.....	3	.....
October.....	9	.....	1	.....	10	.....
November.....	41	.....	10	.....	51	.....
December.....	60	.....	9	.....	69	.....
Total.....	435	.....	87	.....	522	.....

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	179.8	89.2	153.5
Percentage of deaths to cases.....	.....	.....	.....

TABLE 14.—Ages of cases and deaths from chickenpox from January 1 to December 31, 1908.

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	13			12			1		
From 1 to 5 years.....	138			111			27		
From 5 to 10 years.....	248			213			35		
From 10 to 20 years.....	92			78			14		
From 20 to 30 years.....	22			14			8		
From 30 to 40 years.....	5			4			1		
From 40 to 50 years.....	2			1			1		
From 50 to 60 years.....	2			2					
From 60 to 70 years.....									
Over 70 years.....									
Total.....	522			435			87		

TABLE 15.—Reported cases of epidemic cerebro-spinal meningitis, by race and by months, during the calendar year 1908, with certain data relative thereto.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....			1		1	
February.....	6	4	2	2	8	6
March.....	4	2	3		7	2
April.....		1	6	4	6	5
May.....	1	1	4	4	5	5
June.....	2	1			2	1
July.....	1	1			1	1
August.....	1				1	
September.....			1		1	
October.....	1				1	
November.....						
December.....						
Total.....	16	10	17	10	33	20

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population	6.6	17.4	9.7
Percentage of deaths to cases	62.5	58.8	60.6

TABLE 16.—Ages of cases and deaths from epidemic cerebro-spinal meningitis from January 1 to December 31, 1908.

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	4	2	50.0	2	1	50.0	2	1	50.0
From 1 to 5 years.....	9	5	55.5	6	4	66.6	3	1	33.3
From 5 to 10 years.....	2			1			1		
From 10 to 20 years.....	11	7	63.6	6	4	66.6	5	3	60.0
From 20 to 30 years.....	4	3	75.0	1	1	100.0	3	2	66.6
From 30 to 40 years.....	1	1	100.0				1	1	100.0
From 40 to 50 years.....	1	1	100.0				1	1	100.0
From 50 to 60 years.....	1	1	100.0				1	1	100.0
From 60 to 70 years.....									
Over 70 years.....									
Total.....	33	20	60.6	16	10	62.5	17	10	58.8

TABLE 17.—*Reported cases of pulmonary and other communicable forms of tuberculosis, by race and by months, during the calendar year 1908, with certain data relative thereto.*

	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....						
February.....						
March.....						
April.....						
May.....		4		17		21
June.....	2	21	1	28	3	49
July*.....	2	19	2	35	4	54
August.....	54	17	26	22	80	39
September.....	95	18	62	24	157	42
October.....	127	23	173	42	300	65
November.....	84	23	101	32	185	55
December.....	103	58	93	47	196	105
Total.....	467	183	458	247	925	430

*Act requiring cases of pulmonary and other communicable forms of tuberculosis to be reported, was approved May 13, 1908. The law was, however, not put in operation until July 1, 1908.

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	193.0	470.9	272.5
Percentage of deaths to cases.....	39.2	54.0	46.5

TABLE 18.—*Ages of cases and deaths from tuberculosis from May 13 to December 31, 1908.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	7	5	71.4	2	1	50.0	5	4	80.0
From 1 to 5 years.....	13	9	69.2	3	3	100.0	10	6	60.0
From 5 to 10 years.....	23	13	56.5	8	3	37.5	15	10	66.6
From 10 to 20 years.....	89	40	45.0	19	6	31.6	70	34	48.6
From 20 to 30 years.....	288	118	41.0	130	39	30.0	158	79	50.0
From 30 to 40 years.....	241	113	47.0	136	57	41.9	105	56	53.3
From 40 to 50 years.....	127	55	43.3	79	27	34.2	48	28	58.3
From 50 to 60 years.....	82	45	54.9	46	23	50.0	36	22	61.1
From 60 to 70 years.....	41	24	58.5	32	19	59.4	9	6	66.6
Over 70 years.....	14	8	57.0	12	5	41.7	2	2	100.0
Total.....	925	430	46.5	467	183	39.2	458	247	54.0

TABLE 19.—Statement showing the prevalence and severity of diphtheria, scarlet fever, typhoid fever, smallpox, measles, whooping cough, chicken pox, and epidemic cerebro-spinal meningitis during the calendar year 1908, with comparative figures for previous years.

	Cases reported.			Case rate per 100,000 of population.			Deaths.			Percentage of fatal cases.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
Diphtheria:												
1901-1905 ^a	370.6	67.8	438.4	177	74	146	35	15	50	9.55	19.79	11.9
1906.....	369	51	420	159	54	129	27	9	36	7.3	17.6	8.6
1907.....	377	34	411	161	35	125	21	7	28	5.6	20.6	6.8
1908.....	389	92	481	161	94	142	15	7	22	3.9	7.6	4.6
Scarlet fever:												
1901-1905 ^a	287.0	30.4	317.4	137	33	107	34	7	41	2.2	4.7	2.5
1906.....	188	43	231	81	45	71	6	2	8	3.2	4.7	3.5
1907.....	161	7	168	69	7	51	2	.....	2	1.2	.....	1.1
1908.....	300	27	327	124	28	96	8	1	9	2.7	3.7	2.7
Typhoid fever:												
1902-1905 ^a	833.8	324.2	1,158.0	392	352	378	384	235	619	11.4	18.6	13.2
1906.....	796	330	1,126	344	347	345	82	80	162	10.3	24.2	14.4
1907.....	725	203	928	311	211	282	77	37	114	10.6	18.2	12.3
1908.....	674	262	936	279	269	276	88	36	124	13.1	13.7	13.2
Smallpox:												
1901-1905 ^a	14.0	31.8	55.8	11	34	18	6	8	14	5.0	5.03	5.02
1906.....	58	23	81	26	24	25	2	1	3	3.4	4.3	3.7
1907.....	3	4	7	1	4	2	.....	.....	.....	.....	.....	.....
1908.....	22	171	193	9	175	57	.....	.....	.....	.....	.....	.....
Measles:												
1907.....	440	53	493	188	55	150	2	2	4	.4	3.8	0.8
1908.....	875	303	1,178	362	311	347	2	.....	2	.2	.....	.2
Whooping cough:												
1907.....	198	61	259	85	63	79	7	9	16	3.0	16.4	6.2
1908.....	339	141	480	140	145	141	9	29	38	2.6	20.6	7.9
Chicken pox:												
1907.....	302	83	385	129	86	117	.....	.....	.....	.....	.....	.....
1908.....	435	87	522	180	89	153	.....	.....	.....	.....	.....	.....
Epidemic cerebro-spinal meningitis:												
1907.....	5	5	10	2	5	3	3	5	8	60.0	100.0	80.0
1908.....	16	17	33	7	17	10	10	10	20	62.5	58.8	60.6

^a Average for five years.

TABLE 20.—Cases of typhoid fever reported to the Health Department during the calendar year 1908, figured according to the districts shown on map of vital statistics.

Number of district.	Cases reported.		Total cases reported.	Total number of acres per district.	Number of district.	Cases reported.		Total cases reported.	Total number of acres per district.
	White.	Colored.				White.	Colored.		
1.....	26	7	33	385.67	29.....	2	8	2	358.10
2.....	13	6	19	202.02	30.....	8	8	16	985.30
3.....	21	13	34	183.65	31.....	9	9	9	313.11
4.....	2	7	9	192.83	32.....	5	1	6	1,136.82
5.....	22	15	37	273.65	33.....	7	5	12	224.52
6.....	40	5	45	280.99	34.....	24	11	11	155.19
7.....	18	18	36	292.70	35.....	19	12	36	252.53
8.....	51	8	59	316.80	36.....	1	1	2	1,773.19
9.....	28	21	49	316.80	37.....	1	1	2	291.09
10.....	31	4	35	265.38	38.....	1	1	2	420.57
11.....	11	32	43	376.49	39.....	2	2	4	1,084.48
12.....	3	10	13	318.64	40.....	1	1	2	1,147.84
13.....	8	7	15	190.08	41.....	2	1	3	3,172.64
14.....	34	7	41	354.45	42.....	7	7	14	844.81
15.....	47	8	55	291.09	43.....	12	2	14	377.41
16.....	28	7	35	339.30	44.....	4	5	9	68.87
17.....	27	6	33	305.78	45.....	11	1	12	1,031.42
18.....	28	4	32	254.82	46.....	1	1	2	603.61
19.....	3	9	12	462.35	47.....	43	12	55	505.05
20.....	7	1	8	358.59	48.....	5	5	10	91.83
21.....	1	1	2	1,526.17	49.....	36	5	41	821.85
22.....	1	1	2	769.51	50.....	2	1	3	994.49
23.....	4	1	5	2,112.02	51.....	1	1	2	858.59
24.....	7	1	8	894.39	52.....	1	1	2	826.45
25.....	5	4	9	964.19	53.....	1	1	2	
26.....	1	1	2	217.17	Total.....	674	262	936	35,706.72
27.....	3	5	8	3,169.88					
28.....				1,472.91					

TABLE 21.—Statement showing the prevalence of typhoid fever in the District of Columbia, by months and by years, from July 1, 1902, to December 31, 1908.

Month.	Cases reported.							Deaths reported.						
	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1902.	1903.	1904.	1905.	1906.	1907.	1908.
January.....		84	17	31	27	53	37		8	5	10	6	7	4
February.....		42	23	10	21	32	14		6	5	2	4	6	1
March.....		35	42	24	18	25	25		8	7	5	5	4	1
April.....		40	25	24	35	28	43		7	10	7	4	6	8
May.....		63	32	28	44	37	39		5	8	1	10	7	8
June.....		57	41	40	58	34	62		3	8	3	9	2	3
July.....	129	121	101	133	181	80	108	21	16	14	14	21	10	15
August.....	327	185	225	314	293	189	162	39	25	24	30	32	18	13
September.....	289	138	214	212	150	183	155	25	18	27	23	20	17	23
October.....	245	148	143	150	171	147	153	32	19	14	27	28	19	19
November.....	156	88	105	80	82	83	71	19	8	9	13	19	11	16
December.....	128	54	38	51	46	37	67	20	14	10	7	4	7	13
Total.....	1,274	1,055	1,006	1,097	1,126	928	936	200	137	141	142	162	114	124

^a Shallow wells ordered closed by the Commissioners of the District of Columbia, May 21, 1907.

^b Filtration of entire water supply begun in October, 1905.

APPENDIX B.

REPORT OF THE CHEMIST.

WASHINGTON, D. C., *July 1, 1909.*

SIR: I have the honor to submit the following report relative to the work performed in the chemical laboratory for the fiscal year ended June 30, 1909.

During the year there were examined a total of 4,578 samples, as follows:

TABLE I.

Article.	Number of samples.	Number adulterated.
Butter.....	14	2
Buttermilk.....	27	..
Cream.....	101	45
Candy.....	48	..
Drugs and medicines.....	13	..
Ice cream.....	29	27
Lard.....	16	..
Lemon extract.....	5	2
Milk.....	3,659	386
Mustard.....	42	2
Olive oil.....	27	1
Sausage.....	7	2
Skimmed milk.....	12	..
Vanilla extract.....	7	..
Vinegar.....	46	12
Submitted by police department.....	39	..
Water.....	450	..
Miscellaneous.....	30	..
Total.....	4,578	479

Milk.—Of the samples of milk examined 3,253, or 88.90 per cent, were collected about the city; 191, or 5.22 per cent, from the Baltimore and Ohio Railroad station; 167, or 4.56 per cent, from the Southern Railway station; while 48, or 1.32 per cent, were from miscellaneous sources.

Of the samples collected about the city 243, or 7.47 per cent, contained less than 3.5 per cent of fat, and 26, or 0.80 per cent, showed added water; of those collected from the Baltimore and Ohio station and from the Southern Railway station 1, or 0.52 per cent, and 2, or 1.20 per cent, contained less than 3.5 per cent of fat; and 13, or 6.81 per cent, and 1 or 0.59 per cent, respectively, showed added water.

A comparison of this with the three previous years, together with the percentage of samples collected from various sources, will be seen in the following table:

TABLE II.—Percentage of samples of milk collected from various sources.

	1905-6.			1906-7.			1907-8.			1908-9.		
	Number collected.	Per cent.		Number collected.	Per cent.		Number collected.	Per cent.		Number collected.	Per cent.	
		Collected.	Below stand-ard.		Collected.	Below stand-ard.		Collected.	Below stand-ard.		Collected.	Below stand-ard.
City.....	5,116	84.34	12.37	4,154	92.08	10.95	4,228	90.88	16.41	3,253	88.90	8.27
Baltimore and Ohio station.....	466	7.68	7.08	143	3.17	7.69	154	3.31	21.42	191	5.22	7.31
Southern Railway station.....	468	7.71	5.34	205	4.54	2.93	237	5.09	3.37	167	4.56	1.79
Elsewhere.....	16	.26	.....	9	.20	.....	33	.71	.....	48	1.32	.....
Total.....	6,066	99.99	.....	4,511	99.99	.....	4,652	99.99	.....	3,659	100.00	.....

It will be noted that the percentage of samples below the standard shows a gratifying decrease.

TABLE III.—Percentage of samples of milk 3 per cent fat and below.

	1903-4.	1904-5.	1905-6.	1906-7.	1907-8.	1908-9.
City.....	7.4	8.39	4.55	4.69	6.57	4.03
Baltimore and Ohio station.....	6.0	4.96	1.50	2.80	1.29	.52
Southern station.....	8.7	2.52	1.71	.49	.42	1.20

It will be observed that the per cent of samples coming within this class and collected about the city, is lower than that found during any of the previous years cited. The same is true of the samples collected at the Baltimore and Ohio station, while an increase is shown in the percentage of samples collected at the Southern station, said samples containing 3 per cent fat and below.

The following statement shows the quality of milk and cream supplied to certain public institutions, etc.:

Name.	Specific gravity.	Fat.	Solids not fat.	Water.
Children's Hospital.....	1.0319	4.8	8.97	87.03
Columbia Hospital.....	1.0261	5.6	7.92	86.48
Emergency Hospital.....	1.0313	4.2	8.87	86.93
Garfield Hospital.....	1.0313	3.8	8.77	87.43
	1.0290	5.6	8.50	85.90
	1.0307	4.4	8.77	86.43
	1.0307	4.0	8.25	87.75
George Washington University Hospital.....	1.0324	4.6	9.25	86.15
	1.0319	4.6	9.12	86.28
National Homeopathic Hospital.....	1.0324	4.6	9.25	86.15
Sibley Hospital.....	1.0319	4.4	9.02	86.58
Tuberculosis Hospital.....	1.0307	3.8	8.62	87.58
	1.0313	4.0	8.82	87.18
	1.0319	3.8	8.92	87.28
	1.0324	4.2	9.15	86.65

Name.	Specific gravity.	Fat.	Solids not fat.	Water.
Washington City Orphan Asylum.....	1.0307	4.2	8.72	87.08
Amis's café.....	1.0313	3.8	8.77	87.43
Cream.....		16.36		
Arlington Hotel.....	1.0319	5.0	9.22	85.78
Cream.....	1.0319	5.4	9.32	85.28
Cream.....	1.0324	5.2	9.40	85.40
Cochran Hotel.....	1.0330	4.4	9.35	86.25
Ebbitt House.....	1.0307	4.0	8.67	87.33
Cream.....		19.2		
Greason House, Thirteenth and E streets NW.....	1.0307	3.0	7.965	89.035
National Hotel.....	1.0313	4.2	8.72	87.08
Riggs House.....	1.0324	4.8	9.30	85.90
Cream.....	1.0295	5.2	8.67	86.13
Willard Hotel.....		20.2		
Cream.....	1.0330	3.8	9.20	87.00
Cream.....	1.0313	4.4	8.85	86.75
Cream.....	1.0319	4.6	9.03	86.37

Cream.—Of the samples of cream examined, 23 were collected about the city, 35 from the Baltimore and Ohio station, 36 from the Southern Railway station, and 7 elsewhere. Of this number, 60.87 per cent of those about the city, 42.85 per cent from the Baltimore and Ohio station, and 36.11 per cent from the Southern Railway station were below the legal standard. Comparison with the three previous years is as follows:

TABLE IV.—Percentage of samples of cream collected from various sources.

	1905-6.		1906-7.		1907-8.		1908-9.	
	Number collected.	Per cent below.	Number collected.	Per cent below.	Number collected.	Per cent below.	Number collected.	Per cent below.
City.....	433	49.42	314	44.26	292	52.74	23	60.87
Baltimore and Ohio station.....	160	52.50	84	55.95	45	68.89	35	42.85
Southern station.....	51	60.71	48	47.91	38	44.74	36	36.11
Elsewhere.....	8		3		6		7	
Total.....	652		449		381		101	

The following table shows the percentage of samples containing 18 per cent and less of butter fat:

TABLE V.—Percentage of samples of cream 18 per cent and below.

	1905-6.	1906-7.	1907-8.	1908-9.
City.....	18.94	21.33	27.74	30.43
Baltimore and Ohio station.....	15.63	32.14	44.44	20.00
Southern station.....	35.29	25.00	28.94	13.89

For the sale of adulterated milk, 124 cases were referred to the police court for prosecution. Collateral was forfeited in 108 cases, fines imposed in 11 cases, 2 were acquitted, a nolle prosequi entered in 2 cases, and in 1 case sentence was suspended. Fines and forfeitures for the sale of adulterated milk amounted to \$825. In 36

cases, prosecutions were instituted because water had been added to the milk. One sample of milk was found to contain annatto, while another sample contained vegetable matter. A forfeiture of \$5 was recorded in each case. Of the 2 cases acquitted, the defendant in one case succeeded in proving to the satisfaction of the court that he was not a dealer in milk within the meaning of the law, while in the other case the defendant was charged with selling watered milk, when the result of analysis showed skimmed milk. The error in information was made by clerk in drawing up same. Of the 2 cases nolle prossed, one was so ordered by the health officer because of certain statements made to him by the vendor, and in the other case, the defendant could not be found. Sentence was suspended in 1 case with the understanding that defendant would discontinue the sale of milk.

For the sale of adulterated cream, 11 cases were referred to the police court for prosecution. In each case a forfeiture was recorded, amounting in all to \$60.

TABLE VI.

	Number.						Amount.	
	Prosecu- tions.	Forfei- tures.	Fines.	Acquit- ted.	Nolle prossed.	Sentence sus- pended.	Fines.	Forfei- tures.
Milk.....	124	108	11	2	2	1	\$135.00	\$690.00
Cream.....	11	11						60.00
Total.....	135	119	11	2	2	1	135.00	750.00

ANALYSIS OF WATER.

Four hundred and fifty-six samples of water were examined during the year, as follows:

TABLE VII.—*Water analysis.*

	Total number exam- ined.	Good.	Suspicious.	Con- demned.
Private wells.....	82	40	3	39
Public schools.....	35	21		14
Dairy farms.....	306	188	17	101
Bathing beach.....	12	1		11
Potomac water.....	9	9		
Table waters.....	12	9		3
Total.....	456	268	20	168

Of the samples of water from private wells 48.78 per cent showed no evidence of injurious contamination, 3.65 per cent were pronounced suspicious, and 47.56 per cent were condemned.

Of the samples from public-school wells 60 per cent showed no evidence of injurious contamination, none were suspicious, and 40 per cent were condemned.

Of the samples of water from wells on dairy farms 61.43 per cent showed no evidence of injurious contamination, 5.55 per cent were pronounced suspicious, and 33 per cent were condemned.

Of the samples of Potomac River water 100 per cent showed no evidence, from a chemical standpoint, of injurious contamination.

Of the table waters examined 75 per cent showed no evidence of injurious contamination, while 25 per cent were condemned.

MISCELLANEOUS ANALYSES.

Butter.—Of the samples of butter analyzed, 2 were adulterated, 1 being process or renovated butter, while the other was short weight. Prosecutions were instituted with the result that in one case a fine of \$10 was imposed, while in the other case a collateral of \$5 was forfeited.

Candy.—The samples of candy examined ranged in price from 10 to 60 cents per pound, and included stick candy, gum drops, lozenges, French candy, chocolate confections, etc. No injurious substance or other adulterant was found in any sample.

Drugs and medicines.—Under this heading are included antipyrine, capudine (a proprietary headache remedy), chlorid of lime, formaldehyde, a prescription suspected to contain opium, but none was found therein; an anodyne for infants, suspected to contain chloral or morphine, neither drug being found therein; oil of bergamot, oil of lemon grass, phenacetine, seidnitz powders, gum tragacanth, and a proprietary medicine purporting to be a cure for pulmonary tuberculosis.

Ice cream.—Of the samples of ice cream examined, 27, or 93 per cent, were found to be adulterated under the definition of ice cream as set forth in "Standards of Purity for Food Products," issued by the U. S. Department of Agriculture, in Circular No. 19. The adulteration consisted in the presence of starch or gelatin or gum in the ice cream, or the absence of a sufficient amount of milk fat. Prosecution was recommended in each instance but none of the cases have been tried.

Lemon extract.—Of the 5 samples examined, 1 contained no oil of lemon, while another contained only 0.35 of 1 per cent of lemon oil. These cases were referred to the police court for prosecution. A fine of \$30 was imposed in one case, and a collateral of \$5 was forfeited in the other case.

Mustard.—Of the samples of mustard examined, 2 were found to be adulterated, each containing corn starch and turmeric, 1 sample containing 52.24 per cent crude starch. These cases were referred to the police court for prosecution and collateral of \$5 in each case was forfeited.

Olive oil.—Of the samples of olive oil examined, only 1 was found to be adulterated. This sample consisted of cotton-seed oil. The case was referred to the police court for prosecution and a collateral of \$5 was forfeited.

Sausage.—Of the samples of sausage examined, 2 were found to be adulterated, 1 sample containing corn starch as a filler, and the other sample containing corn and wheat starch. Prosecution was instituted in these cases and a collateral of \$5 in each case was forfeited.

Vinegar.—Of the samples of vinegar examined, 12, or 26 per cent, were found to be adulterated. Prosecution was instituted in these cases with the result that in 10 cases a collateral of \$5 each was forfeited; personal bonds taken in 1 case, and a nolle prosequi entered in the other case because the defendant could not be found.

The following table shows the result of analyses:

Acetic acid.	Reaction with—			Spectroscopic examination.	Total solids.	Water-soluble ash.	Water-insoluble ash.	Total ash.	Alkalinity of ash from 100 c. c. in terms of tenth normal sodium hydrate.	P ₂ O ₅ .
	Lead acetate.	Barium chlorid.	Silver nitrate.							
<i>P. ct.</i>					<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>P. ct.</i>	<i>c. c.</i>	
4.35	Negative.	Negative.	Negative.	Sodium flame.	0.2184	0.0168	0.0016	0.0184	1.4	
4.86	Cloudy.	do.	do.	do.	.4456	.0832	.0024	.0856	2	Trace.
2.67	Precipitation.	do.	Cloudy.	do.	1.7844	.1310	.0258	.1568	10.4	Do.
2.38	do.	Cloudy.	Slight precipitation.	do.	.8544	.0628	.0300	.0928	6.4	Do.
4.89	Negative.	Negative.	Negative.	do.	.1648	.0052	.0168	.0220	.4	Do.
4.17	do.	do.	do.	do.	.2180	.0054	.0146	.0200	.4	Do.
4.29	do.	do.	do.	do.	.2840	.0252	.0220	.0472	1.6	Do.
4.32	do.	do.	do.	do.	.2664	.0144	.0188	.0332	1.6	Do.
4.36	Cloudy.	Cloudy.	do.	do.	.5104	.0416	.0100	.0516	3.2	Do.
4.03	Negative.	Negative.	do.	do.	.1212			.0096		
4.98	do.	do.	Precipitation.	do.	.0832	.1412	.0832	.2244	6	Do.

EXAMINATIONS FOR THE POLICE DEPARTMENT.

Five samples of cocaine were examined chemically and microscopically and identified as such, prosecution being instituted by the police department with the result that a fine of \$200 and imprisonment in jail for six months, and, in default of payment of fine, an additional period of six months imprisonment was imposed in each case. Three samples of opium, prepared for smoking purposes and known as pen-yau, were examined and identified; a liquid suspected to contain opium; another liquid suspected to contain ergot; another suspected to contain narcotics were examined with the result that none of the suspected substances was found therein. A prescription suspected to contain abortifacients was examined and found to contain oil of savine, myrrh, aloes, ginger, and ergot. A sample of antikamnia and codein tablets was examined in order to determine the amount of codein therein. Two samples of medicine suspected to contain poisonous quantities of carbolic acid were analyzed with the result that one sample contained 3.1 per cent of absolute phenol, and the other contained 21.11 per cent absolute phenol. It is alleged that two women were made very ill by taking a dose of these medicines. Other articles examined consisted of a rifle, hats, shoes, pants, suspenders, undershirts, drawers, vests, sweater, coats, collars, shirt, necktie, hatchet, etc., for blood stains. These articles were used as evidence in murder cases.

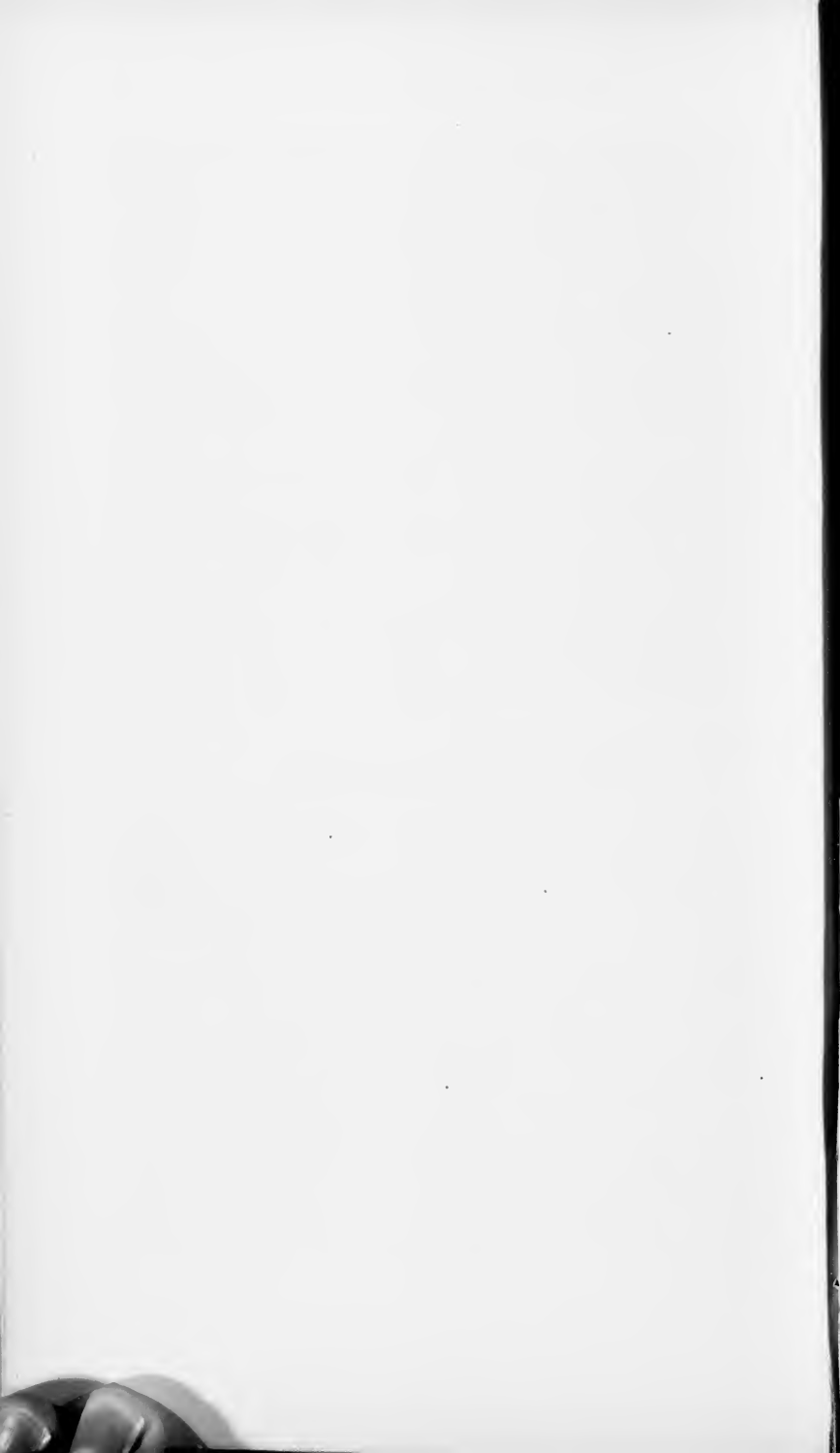
Under the heading "Miscellaneous," are included samples of baking powder (containing aluminum sulphate), biscuit prepared from same (containing aluminum oxid), thickeners used in the manufacture of ice cream, said thickeners consisting of starch, gum, dextrin, etc., cake and canned fruit suspected to contain poison, celery, cheese, cod-fish, corn meal, condensed milk, cotton-seed oil, flour, shampoo and hair cleaner, ham, a dead mouse, orange sirup, pepper, soda water, sugar, and vomitus. A sample of soda water alleged to contain copper or zinc was subjected to analysis with the result that neither of the metals were found present, but a comparatively large amount of acid carbonate of iron was found therein, giving the water a marked metallic and styptic taste. An inspection of the soda water apparatus was made, and a defective, corroded iron pipe, a part of the pump, was found. The defective apparatus was removed at the suggestion of this department, and subsequent samples of the water, on analysis, failed to show no more than a mere trace of iron, and to be free from metallic or styptic taste.

Recommendations.—The recommendation that provision be made for the services of a laborer in the chemical laboratory is again renewed; that the position of assistant chemist be created with compensation at the rate of \$1,600 per annum, and that an appropriation of \$2,000 be requested for the purpose of purchasing chemical apparatus which the laboratory must have if the work is to be carried on in the most advantageous manner.

Respectfully,

R. L. LYNCH, Phar. D., M. D.,
Chemist.

WILLIAM C. WOODWARD, M. D.,
Health Officer, District of Columbia.



APPENDIX C.

REPORT OF THE INSPECTOR OF LIVE STOCK AND DAIRY FARMS.

DEAR SIR: I beg leave to submit herewith a report of the inspections of dairy farms and the control of infectious diseases by the veterinary inspectors of the health department, District of Columbia, Drs. R. R. Ashworth, H. S. Drake, G. H. Grapp, J. Rome, J. P. Turner, and H. Young.

Number of dairy farms in the District of Columbia.....	62
Number of inspections of dairy farms in the District of Columbia.....	971
Number of cows on dairy farms in the District of Columbia.....	717
Number of inspections of cows on dairy farms in the District of Columbia....	11, 172
<hr/>	
Number of cows condemned as unfit for dairy purposes on dairy farms in the District of Columbia.....	29
<hr/>	
Causes of condemnation:	
Tuberculosis.....	23
Diseases of the udder.....	5
Other causes.....	1
<hr/>	
Number of dairy farms in Virginia shipping milk into the District of Columbia.....	326
Number of inspections of dairy farms in Virginia.....	1, 309
Number of cows on dairy farms in Virginia.....	6, 437
Number of inspections of cows on dairy farms in Virginia.....	23, 596
<hr/>	
Number of cows condemned as unfit for dairy purposes on dairy farms in Virginia.....	92
<hr/>	
Causes of condemnation:	
Tuberculosis.....	54
Diseases of the udder.....	31
Other causes.....	7
<hr/>	
Number of dairy farms in Maryland shipping milk into the District of Columbia.....	476
Number of inspections of dairy farms in Maryland.....	1, 996
Number of cows on dairy farms in Maryland.....	8, 335
Number of inspections of cows on dairy farms in Maryland.....	34, 856
<hr/>	
Number of cows condemned as unfit for dairy purposes on dairy farms in Maryland.....	68
<hr/>	
Causes of condemnation:	
Tuberculosis.....	49
Diseases of the udder.....	16
Other causes.....	3
<hr/>	
Number of dairy farms inspected in New York.....	15
Number of inspections of dairy farms in New York.....	15
Number of cows on farms inspected in New York.....	595
Number of dairy farms inspected in New Jersey.....	3
Number of inspections of dairy farms in New Jersey.....	3
Number of cows on farms inspected in New Jersey.....	32
Total number of dairy farms inspected.....	882
Total number of inspections of dairy farms.....	4, 294

Total number of cows on dairy farms.....	16, 116
Total number of inspections of cows.....	70, 251
Total number of cows condemned as unfit for dairy purposes.....	189
Number of small slaughterhouses operating irregularly in the District of Columbia.....	20
Number of inspections of stock yards and slaughterhouses.....	553
Number of animals slaughtered under inspection.....	2, 867
Cattle.....	274
Sheep.....	1, 314
Calves.....	1, 110
Hogs.....	169
Number of animals condemned as unfit for food.....	21
Cattle.....	3
Sheep.....	14
Calves.....	4
Number of inspections of dog pound by veterinarians.....	81
Number of dogs inspected (suspicious of rabies or dogs that have bitten persons).....	160
Number of investigations of glanders.....	3
Number of cases of glanders.....	1
Number of typhoid fever investigations on dairy farms.....	5
Number of cows tuberculin tested, on dairy farms supplying milk to the District of Columbia, by the Bureau of Animal Industry during the fiscal year..	684
Number of cows "passed".....	634
Number of cows "reacting".....	49
Number of cows "suspicious".....	1
Per cent of cows condemned as tuberculous.....	7. 16
Number of cows retested with tuberculin during the fiscal year.....	671
Number of cows "passed".....	636
Number of cows "suspicious".....	5
Number of cows "reacting".....	30
Per cent of cows condemned as tuberculous on retest.....	4. 47
Total number of cows supplying milk to the District of Columbia.....	16, 116
Total number of cows tuberculin tested.....	1, 355
Per cent of cows supplying milk to the District of Columbia tuberculin tested..	8. 47

During the fiscal year all dairy farms supplying milk to the District of Columbia have been regularly and systematically inspected by the veterinary inspectors. The dairy farms have been inspected 4.09 times each during the year. A more frequent inspection could be given if local conditions did not prevent. For instance, the country roads are almost impassable for three months of each year, and as the farms are widely separated in some of the inspection districts, it frequently happens that only one or two farms can be inspected in one day. In those sections of the country where practically every farmer is a dairyman, and where the inspector can go from farm to farm without very much travel, the authorities can very readily cause more frequent inspections to be made. Several of the inspectors have isolated farms which require an entire day to inspect, so great is their separation from any dairy section. There are 5 such farms in my personal district; 3 of these farms require that I leave Washington on a train about 7 o'clock a. m., and can not return until 8 or 9 p. m., thus spending a long day in the inspection of one farm.

Conditions are gradually improving on most of our dairy farms. On some farms it comes very slowly, but as a rule farms are in much cleaner condition than they were a few years ago. Many farmers are cementing the floors and drains of their cow stables, and dairy farms

with cement floors in the dairy and wash rooms are the usual thing. Barnyards are usually kept clean and well graded. More attention is given to lighting and ventilation. The farms are generally provided with water heaters for heating the water used for cleansing milk utensils, etc.

The circular letter sent to each milk producer by the health officer relative to screening dairies has been very generally obeyed.

The voluntary tuberculin testing of cows on the dairy farms by the Bureau of Animal Industry has been very encouraging. It is very unfortunate that the slaughter of reacting cows is not done on the farms and supervised by a Bureau of Animal Industry inspector, since each herd slaughtered would draw a large number of farmers and would permit them to see the benefits of tuberculin testing their herds. At present, most reacting cows are killed at regular abattoirs, and the farmers are very skeptical about the disease existing in apparently healthy cows as far as physical examination determines. Of course, a large majority of the farmers are opposed to the tuberculin test for no other true reason than that their herds are diseased and that they do not want this fact shown to the public, and they do not care to lose cows which are profitable to them as milk producers. At least, the farmer thinks she is profitable to him, since very few think of the severe losses they stand owing to the infectiveness of tuberculosis.

During the year those creameries in New York and New Jersey which ship cream into the District of Columbia have been inspected, as well as a number of the farms supplying milk to them.

During the fiscal year the score card has been changed to nearly conform with that used by the Department of Agriculture and several large cities. This score card is quite specific in its ratings. A few farmers are interested in their scoring, especially those who get an extra price for their milk for producing it under more cleanly conditions. The average farmer is not particularly interested in his score; his main idea is whether or not he is to be allowed to ship milk into the District of Columbia. As to just what mark should be scored in order to ship milk into the District of Columbia, I am not prepared to say, certainly not until there is a more general supervision over the inspection of dairy farms and a thorough understanding among the various inspectors as to just what certain conditions should score.

ABATTOIR AND STOCK YARD INSPECTION.

The veterinarians have made irregular inspections of the small slaughterhouses operating in the District. These places are visited once or twice a week, but the inspection of the animals slaughtered is very unsatisfactory, as they are seldom seen, owing to the irregularity of slaughtering and the unusual hours it is done. The inspectors require that these places be kept clean and that the slaughtering rooms be properly screened from flies. Most of these slaughterhouses now have cement floors and quite a number sewer connections. These small houses slaughter but a very small percentage of the meat used in the District of Columbia, most of the slaughtering being done at those places which have federal inspection.

CONTAGIOUS DISEASES OF ANIMALS.

Rabies.—Seventy-one cases of rabies have been reported during the fiscal year—dogs, 67; cats, 4. A large number of dogs supposed to have rabies or exposed to rabies have been under quarantine during this period. All dogs collected by the poundmaster which have bitten persons have been inspected daily by the veterinarians to note the first symptoms of rabies, should it develop. Fortunately none of these dogs under inspection have developed rabies.

Glanders.—Only one case was reported during the year. It was promptly destroyed and the premises disinfected by this department.

I believe that the time is ripe when the District should have some supervision over the horse markets in this city. Hundreds of horses, largely cheap ones, are shipped to this city every month from various places in Pennsylvania and Maryland and sold at auction in the bazaars. In the purchase of these horses the public have no protection whatever as to whether or not these horses have contagious diseases or have been exposed to the same. For the purposes of inspection, all horse markets can properly be considered as thoroughly infected with such contagious diseases as influenza and distemper. These markets should be so constructed as to admit of easy disinfection. That glanders is not generalized here, as it is in several of the large eastern cities, is to be wondered at. We have simply been fortunate as well as lucky, considering our weekly importations and our numerous auction stables under no veterinary supervision whatever.

Hog cholera.—No cases have been reported from the farms of the District during the year.

Respectfully submitted.

JOHN P. TURNER, V. M. D.,
Inspector of Live Stock and Dairy Farms.

WILLIAM C. WOODWARD, M. D.,
Health Officer, District of Columbia.

APPENDIX D.

MISCELLANEOUS TABLES.

Number of nuisances reported in the District of Columbia during the fiscal year ended June 30, 1909, with reference to nature of nuisance and date of report.

Nature of nuisance.	1908.						1909.						Total.	Total for fiscal year 1907-8.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.		
Alleys, filthy.....	43	47	50	60	21	42	19	54	53	43	52	19	503	581
Areas.....	27	27	28	17	9	5	25	17	20	16	13	32	233	192
Cellars.....	26	20	22	14	12	18	10	13	14	30	26	22	237	375
Lots:														
Filthy.....	32	55	46	23	15	28	4	8	38	33	32	15	329	379
Stagnant water.....	3	19	5	4	1	6	2	8	9	6	3	24	90	72
Manure accumulations.....	43	44	30	28	10	14	14	7	8	17	50	36	301	602
Manure receptacles.....	45	41	35	33	18	17	21	23	44	105	109	82	573	.....
Plumbing, defective.....	8	22	41	85	56	80	18	21	14	15	27	25	412	.....
Premises, unwholesome.....	5	25	25	32	36	17	26	44	28	31	31	24	324	.....
Privies:														
Full.....	26	32	72	55	45	78	52	29	26	27	40	48	530	263
Leaky boxes.....	1	8	6	10	19	10	3	2	3	3	11	10	86	74
Unlawful.....	20	28	31	30	30	56	37	38	40	35	46	26	417	493
Roofs, leaky.....	2	24	23	16	13	25	14	13	18	10	17	15	190	203
Sewers:														
Connections.....	20	18	11	44	43	49	43	8	27	22	24	14	323	545
Obstructed.....	165	182	146	207	159	167	196	220	155	157	230	201	2,185	2,032
Sheds, filthy.....	96	95	125	105	122	121	107	161	240	234	235	113	1,754	.....
Stables.....	41	80	47	35	9	31	46	14	12	85	65	70	535	709
Yards, filthy.....	256	336	344	351	282	337	290	400	636	773	476	255	4,736	5,740
Water-closets.....	154	228	246	348	233	361	258	277	289	146	216	120	2,876	3,053
Weeds.....	143	170	91	30	.....	.....	.....	.....	.....	.....	2	27	463	453
Unclassified.....	134	91	86	142	84	133	155	109	155	133	199	130	1,551	.....

Food other than marine products condemned in the District of Columbia during the fiscal year ended June 30, 1909.

Articles.	1908.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Beef.....pounds..	112	136	27	206	927	72
Mutton.....do..	5	20	50	23	10	20
Veal.....do..	16	20	17	10		
Pork.....do..	50	144	35	120	45	1,555
Bacon.....do..				22		
Sausage.....do..				5		
Chicken giblets.....do..						748
Chickens.....number..	23	7	1	3	8	40
Turkeys.....do..					31	21
Ducks.....do..					43	122
Geese.....do..					10	
Birds.....do..			36		63	126
Rabbits.....do..					287	410
Squirrels.....do..						26
Apples.....bushels..	2	7		24		
Peaches.....do..	3	3				
Quinces.....do..				2		
Pears.....do..		4		17		
Plums.....do..	16	8				
Bananas.....dozen..						
Oranges.....do..	1					
Lemons.....do..			4			
Grapes.....pounds..				14		
Berries.....quarts..	212	20				64
Cherries.....do..						
Cantaloupes.....number..	1,485	620	145			
Watermelons.....do..	3,090	3,790	11,475			
Pineapples.....do..						34
Asparagus.....bunches..	40					
Radishes.....do..				100		
Rhubarb.....do..						
Lettuce.....number..	50	500				
Cabbage.....do..						
Cymbalings.....do..	300					
Eggplants.....do..	20			20		
Cauliflowers.....do..						
Pumpkins.....do..						
Corn.....dozen..	30					
Cucumbers.....do..	90					15
Kale.....bushels..				9		
Spinach.....do..				10	4	
Potatoes.....do..				30		
Peas.....do..			3			
Beans.....do..						3
Turnips.....do..				3		
Tomatoes.....do..	10	5	3	24		
Onions.....do..		5				
Miscellaneous fruits and vegeta- bles.....bushels..	33	34	14	28	9	37
Eggs.....dozen..	90	127	60	35		7
Butter.....pounds..	2					
Fish.....bunches..	30	67	25	21	10	20
.....pounds..	250	425			114	45
.....barrels..		10				
Crabs.....number..	50			600		
Crab meat.....gallons..						
Clams.....do..		4		5		
Oysters.....number..						
.....gallons..						
Pickles.....barrels..		6				
.....gallons..						
Sauerkraut.....do..	20			6		
Chestnuts.....bushels..						
Walnut kernels.....pounds..				25		

Food other than marine products condemned in the District of Columbia during the fiscal year ended June 30, 1909—Continued.

Articles.	1909.						Total.
	Jan.	Feb.	Mar.	Apr.	May.	June.	
Beef.....pounds..	830	32	15	53	1,185	31	3,626
Mutton.....do....	20	41	65	45	25	131	455
Veal.....do....	10	14	10	201	5	5	308
Pork.....do....	36	97	70	60	65	680	2,957
Bacon.....do....				10			32
Sausage.....do....			5	5			15
Chicken giblets.....do....	701						1,448
Chickens.....number..	47	6	1	1	1	35	173
Turkeys.....do....	7		7	1		3	70
Ducks.....do....	6			3			174
Geese.....do....							10
Birds.....do....	248			24			497
Rabbits.....do....	59						756
Squirrels.....do....							26
Apples.....bushels..				1		1	35
Peaches.....do....				5		8	19
Quinces.....do....							2
Pears.....do....						1	22
Plums.....do....							24
Bananas.....dozen....	4,000						4,000
Oranges.....do....			2				3
Lemons.....do....							4
Grapes.....pounds..							14
Berries.....quarts..	48	154	466	696	766	760	3,186
Cherries.....do....						32	32
Cantaloupes.....number..		20				90	2,360
Watermelons.....do....						20	18,375
Pineapples.....do....	8	6			36		84
Asparagus.....bunches..				54		100	194
Radishes.....do....			1,700	300	1,300	200	3,600
Rhubarb.....do....					200		200
Lettuce.....number..	340		600	100	400		1,990
Cabbage.....do....		15		50	400	3,475	3,940
Cymbalings.....do....							300
Eggplants.....do....							40
Cauliflowers.....do....						350	350
Pumpkins.....do....	15	5	3				23
Corn.....dozen....							39
Cucumbers.....do....				150		56	69
Kale.....bushels..		46	60	50	4		311
Spinach.....do....		2	12	49			169
Potatoes.....do....				6	30	9	77
Peas.....do....					7	5	12
Beans.....do....				1	3	47	57
Turnips.....do....			4				7
Tomatoes.....do....				1		9	52
Onions.....do....							5
Miscellaneous fruits and vegetables.....bushels..	28	36	13	33	25	15	306
Eggs.....dozen....			7				326
Butter.....pounds..							2
Fish.....bunches..	30	30		47	28	15	350
Crabs.....pounds..			175	1,400			2,409
Crab meat.....barrels..				1			11
Crabs.....number..			400				1,050
Crab meat.....gallons..						10	10
Clams.....do....							9
Oysters.....number..						1,100	1,100
Oysters.....gallons..	20	1	35				56
Pickles.....barrels..							6
Sauerkraut.....do....			7				6
Chestnuts.....do....							27
Walnut kernels.....bushels..						5	5
Walnut kernels.....pounds..							25

The condemnations of marine products in above table were made in markets and market stores.

Respectfully submitted.

J. R. MOTHERSHEAD,
Food Inspector.

Marine products received, inspected, and condemned in the District of Columbia during the fiscal year ended June 30, 1909.

ARRIVALS.

Articles.	1908.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Bass.....barrels..	155	151	138	196	190	102
Bluefish.....do..	144	249	128	153	128	60
Butterfish.....do..	325	263	187	155	131	53
Carp.....number..	365	212	398	959	1,087	732
Catfish.....bunches..	1,291	1,846	1,327	2,502	2,238	1,455
Crokers.....barrels..	199	201	239	251	173	116
Eels.....bunches..	302	152	281	554	547	427
Flounders.....do..	772	604	566	1,745	1,429	1,309
Mackerel.....barrels..	118	112	110	146	113	252
Mullet.....do..	3	9	72	223	183	88
Perch.....bunches..	1,756	1,215	1,085	1,709	2,050	1,615
Pike.....do..	253	149	177	459	488	546
Rockfish.....do..	3,279	3,550	2,385	3,345	3,955	2,338
Pollock.....barrels..	.....	13	27	38	26	40
Trout.....do..	633	1,128	606	725	377	178
Whiting.....do..	32	4	97	307	987	1,144
Oysters.....bushels..	943	1,405	16,576	42,605	55,785	55,792
Clams.....do..	967	798	531	425	341	281
Crabs.....barrels..	3,358	2,010	750	259	36	76
Crab meat.....do..	302	232	213	112	72	.....
Soft crabs.....boxes	174	25	.....	.....	.....	.....
Sturgeon.....number	27	.....	12	23	.....	.....
Turtle.....boxes	21	.....	.....	16	20	36
Spots.....barrels..	.....	4	68	227	21	11
Haddock.....boxes	.....	.....	39	24	18	28
Porgies.....barrels..	39	27	.....	13	.....	.....
Halibut.....boxes	44	34	13	35	26	43
Cod.....barrels..	1	2	2	8	32	13
Sheepshead.....do..	.....	.....	.....	7	10	14
Drum.....number	.....	.....	25	22	79	20
Salmon.....boxes	.....	10	1	6	13	.....
Frogs.....do..	3	.....	.....	.....	.....	.....
Mud shad.....barrels..	.....	.....	38	75	94	58
Lings.....do..	.....	.....	.....	22	91	10
Sllders.....boxes	.....	.....	.....	6	4	.....
Smelts.....do..	.....	.....	.....	4	5	56

Articles.	1909.						
	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.
Bass.....barrels..	82	75	81	1	70	190	1,431
Bluefish.....do..	58	36	52	14	50	100	1,172
Butterfish.....do..	69	67	80	65	106	492	1,993
Carp.....number..	1,659	791	3,078	3,970	3,447	1,182	17,880
Catfish.....bunches..	1,718	3,852	6,989	9,728	2,800	1,796	37,542
Crokers.....barrels..	82	44	267	277	111	234	2,194
Eels.....bunches..	452	559	1,961	1,528	552	335	7,650
Flounders.....do..	697	657	3,392	3,444	1,441	907	16,963
Herring.....number..	44,399	1,279,054	603,152	3,121,471	1,128,214	3,512	6,179,802
Jacks.....do..	1,367	2,380	10,122	8,890	335	10	23,104
Mackerel.....barrels..	418	188	107	69	56	142	1,831
Mullet.....do..	162	87	160	63	32	14	1,096
Perch.....bunches..	2,063	2,522	6,921	11,038	2,065	1,679	35,718
Pike.....do..	414	428	1,519	1,418	351	274	6,476
Rockfish.....do..	1,404	2,270	6,018	7,297	2,963	2,682	41,486
Pollock.....barrels..	60	43	84	43	15	24	413
Shad.....number..	1,027	6,190	74,318	14,196	25,849	336	121,916
Trout.....barrels..	161	179	275	230	1,858	1,843	8,193
Whiting.....do..	633	241	296	85	114	73	4,113
Oysters.....bushels..	61,055	35,762	45,243	19,593	4,109	3,130	341,998
Clams.....do..	147	259	433	776	845	999	6,802
Crabs.....barrels..	.....	.....	113	657	2,139	2,454	11,852
Crab meat.....do..	51	56	104	250	342	371	2,105
Soft crabs.....boxes	.....	.....	.....	.....	.....	.....	199
Sturgeon.....number	.....	.....	21	96	117	54	350
Turtle.....boxes	18	6	6	19	40	13	195
Spots.....barrels..	21	16	10	.....	.....	.....	378
Haddock.....boxes	44	46	121	47	1	.....	268
Porgies.....barrels..	.....	12	3	7	57	41	199
Halibut.....boxes	45	59	90	77	77	57	600
Cod.....barrels..	9	10	36	7	4	5	129
Sheepshead.....do..	20	6	23	19	55	9	163
Drum.....number	8	42	14	.....	.....	.....	210
Salmon.....boxes	2	.....	3	.....	.....	.....	35
Frogs.....do..	.....	19	22	.....	.....	.....	44
Mud shad.....barrels..	76	70	115	42	.....	.....	568
Lings.....do..	2	.....	.....	.....	.....	.....	125
Sllders.....boxes	.....	.....	.....	.....	.....	.....	10
Smelts.....do..	158	52	15	.....	.....	.....	290

Marine products received, inspected, and condemned in the District of Columbia during the fiscal year ended June 30, 1909—Continued.

INSPECTED.

Articles.	1908.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Bass.....barrels.....	111	106	97	135	127	67
Bluefish.....do.....	101	175	86	102	87	41
Butterfish.....do.....	219	182	125	103	86	39
Carp.....number.....	258	144	289	649	737	536
Catfish.....bunches.....	932	1,291	1,022	1,756	1,539	887
Crokers.....barrels.....	142	139	166	166	113	80
Eels.....bunches.....	211	107	196	370	271	230
Flounders.....do.....	574	428	409	1,214	1,075	903
Mackerel.....barrels.....	80	87	67	170	76	169
Mullet.....do.....	2	6	52	149	117	57
Perch.....bunches.....	1,248	723	781	1,185	1,446	1,095
Pike.....do.....	182	101	121	315	328	361
Rockfish.....do.....	2,353	2,180	1,742	2,241	2,761	1,550
Pollock.....barrels.....	.....	.....	17	27	21	25
Trout.....do.....	441	773	497	487	249	118
Whiting.....do.....	25	4	71	195	695	786
Oysters.....bushels.....	656	968	12,912	29,560	39,545	37,682
Clams.....barrels.....	665	519	384	285	237	186
Crab meat.....do.....	2,554	1,278	537	175	29	.....
Soft crabs.....boxes.....	210	159	148	75	52	50
Sturgeon.....number.....	126	25	.....	.....	.....	.....
Turtle.....boxes.....	21	.....	12	17	.....	.....
Spots.....barrels.....	17	.....	4	4	20	16
Haddock.....boxes.....	.....	3	68	187	16	9
Porgies.....barrels.....	.....	.....	28	11	10	17
Halibut.....boxes.....	29	21	.....	9	.....	.....
Cod.....barrels.....	31	27	10	29	22	31
Sheepshead.....do.....	1	2	2	5	23	10
Drum.....number.....	.....	.....	.....	5	8	8
Salmon.....boxes.....	.....	7	21	16	58	14
Frogs.....do.....	.....	.....	1	5	11	.....
Mud shad.....barrels.....	3	.....	.....	.....	.....	.....
Lings.....do.....	.....	.....	28	51	62	35
Sliders.....boxes.....	.....	.....	.....	15	59	8
Smelts.....do.....	.....	.....	.....	6	3	.....
.....	.....	.....	.....	4	3	34

Articles.	1909.						
	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.
Bass.....barrels.....	56	50	57	1	66	157	1,030
Bluefish.....do.....	38	28	39	11	46	93	847
Butterfish.....do.....	48	49	53	22	92	349	1,367
Carp.....number.....	1,132	528	2,110	3,232	2,586	857	13,058
Catfish.....bunches.....	1,190	2,603	4,663	6,455	2,056	1,359	25,753
Crokers.....barrels.....	58	41	181	181	101	181	1,549
Eels.....bunches.....	305	332	1,255	1,024	413	225	4,989
Flounders.....do.....	462	454	1,987	2,284	1,103	677	11,570
Herring.....number.....	26,258	161,181	409,824	1,818,445	226,195	2,791	2,644,694
Jacks.....do.....	913	1,605	6,875	6,145	288	10	15,836
Mackerel.....barrels.....	283	130	72	46	55	111	1,346
Mullet.....do.....	105	59	108	47	33	22	757
Perch.....bunches.....	1,401	1,699	4,697	7,182	1,469	1,232	24,158
Pike.....do.....	279	289	1,014	965	267	207	4,429
Rockfish.....do.....	968	1,536	4,135	4,871	2,272	1,963	28,572
Pollock.....barrels.....	42	30	58	30	15	23	288
Shad.....number.....	661	4,160	44,184	93,356	17,913	262	160,536
Trout.....barrels.....	109	118	184	150	1,367	1,749	6,242
Whiting.....do.....	438	161	198	58	94	148	2,873
Oysters.....bushels.....	40,568	33,788	73,054	12,884	3,015	2,398	287,030
Clams.....barrels.....	97	174	284	507	608	700	4,646
Crab meat.....boxes.....	35	39	68	433	1,637	2,232	8,944
Soft crabs.....do.....	.....	.....	.....	168	250	262	1,516
Sturgeon.....number.....	.....	.....	13	60	97	53	273
Turtle.....boxes.....	13	4	4	13	39	13	143
Spots.....barrels.....	15	13	7	.....	.....	.....	318
Haddock.....boxes.....	34	30	78	33	1	.....	242
Porgies.....barrels.....	13	13	2	4	46	41	165
Halibut.....boxes.....	30	40	62	55	61	55	453
Cod.....barrels.....	7	6	27	4	4	5	96
Sheepshead.....do.....	12	4	16	13	53	9	128
Drum.....number.....	6	30	11	.....	.....	.....	158
Salmon.....boxes.....	1	.....	2	.....	.....	.....	30
Frogs.....do.....	.....	13	15	.....	.....	.....	28
Mud shad.....barrels.....	49	47	78	29	.....	.....	379
Lings.....do.....	1	.....	.....	.....	.....	.....	83
Sliders.....boxes.....	.....	.....	.....	.....	.....	.....	9
Smelts.....do.....	102	35	10	.....	.....	.....	188

Marine products received, inspected, and condemned in the District of Columbia during the fiscal year ended June 30, 1909—Continued.

CONDEMNATIONS.

Articles.	1908.					
	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Bass.....barrels.....		1	4	7	3	1
Bluefish.....do.....		3	4	1	3	
Butterfish.....do.....	23	4		2	1	
Carp.....number.....	1		6	21	30	
Catfish.....bunches.....	29	10	5	62	2	
Crokers.....barrels.....				7		
Eels.....bunches.....					10	
Flounders.....do.....	39		11	6		
Mackerel.....barrels.....	10			1	3	10
Mullet.....do.....				4	9	3
Perch.....bunches.....	41	57	30	8	4	
Pike.....do.....	3			5	4	
Rockfish.....do.....	43	32		22	22	
Pollock.....barrels.....				2	7	4
Trout.....do.....	8	13		9	3	3
Whiting.....do.....				12	48	45
Oysters.....bushels.....	16		474	1,650	685	5
Clams.....do.....	20	6			7	
Crabs.....barrels.....	241	158	23			
Crab meat.....do.....	19	6	9	5	1	2
Soft crabs.....boxes.....	10					
Turtle.....do.....					7	
Spots.....barrels.....				13		
Haddock.....boxes.....			3	3	2	1
Porgies.....barrels.....	2					
Halibut.....boxes.....	3			1	9	2
Sheepshead.....barrels.....					1	
Drum.....number.....					1	
Salmon.....boxes.....				1		
Mud shad.....barrels.....				3	4	1
Lings.....do.....				1	11	

Articles.	1909.						
	Jan.	Feb.	Mar.	Apr.	May.	June.	Total.
Bass.....barrels.....		3	2			1	22
Bluefish.....do.....	3		1			10	25
Butterfish.....do.....			4	1	1	24	60
Carp.....number.....	9	30		109	83	21	310
Catfish.....bunches.....		103	8	187	4	22	330
Crokers.....barrels.....	5					1	15
Eels.....bunches.....				26	6	1	43
Flounders.....do.....		9		27			92
Herring.....number.....	400	1,499	600	207,732	101,139	500	220,870
Jacks.....do.....				59			59
Mackerel.....barrels.....	11			3		2	40
Mullet.....do.....	2		7				40
Perch.....bunches.....	71	84	35	315	45	46	736
Pike.....do.....	6			21	4		43
Rockfish.....do.....				135	88	58	400
Pollock.....barrels.....	2	2	3	1		2	23
Shad.....number.....				677	33		710
Trout.....barrels.....	1	1	6	1	6	46	97
Whiting.....do.....	26	2	12		3	2	150
Oysters.....bushels.....		5		360	270	157	3,622
Clams.....do.....				19	14	38	104
Crabs.....barrels.....				55	88	191	756
Crab meat.....do.....	2	1	5	10	5	19	84
Soft crabs.....boxes.....							10
Sturgeon.....number.....				1	1		2
Turtle.....boxes.....							7
Spots.....barrels.....			7				13
Haddock.....boxes.....		2		5			23
Porgies.....barrels.....		2	2			1	11
Halibut.....boxes.....		3	4	2	4	3	31
Cod.....barrels.....			4	1			5
Sheepshead.....do.....	1		1				3
Drum.....number.....		1					2
Salmon.....boxes.....			2				3
Mud shad.....barrels.....	1	4	11				24
Lings.....do.....							12
Smelts.....boxes.....			2				2

Statement showing the number and kinds of animals impounded during the fiscal year ended June 30, 1909, and the manner in which such animals were disposed of.

IMPOUNDED.

Month.	Horses.	Mules.	Cows.	Hogs.	Goats.	Dogs.	Cats.	Requests responded to for removal of animals.	Total.
1908.									
July.....	1				1	1,257	1,015	824	2,274
August.....	1					1,058	600	525	1,659
September.....	4	1		1		847	301	274	1,154
October.....	8					657	225	183	890
November.....	1					494	102	120	597
December.....						346	120	118	466
1909.									
January.....					1	260	137	179	398
February.....	1					326	156	151	483
March.....	1					308	376	209	685
April.....						245	667	352	912
May.....	1					288	592	368	881
June.....	4				1	412	226	218	643
Total.....	22	1		1	3	6,498	4,517	3,521	11,042

DISPOSITION.

Month.	Redeemed.	Killed.	Dogs killed.	Returned.	Sold.	In pound.
1908.						
July.....	157	2,115	1,100	2		
August.....	165	1,494	893			
September.....	213	940	639		1	
October.....	256	634	408			
November.....	201	394	292	2		
December.....	110	355	235		1	
1909.						
January.....	30	358	220		10	
February.....	38	433	276		12	
March.....	42	640	263	1	2	
April.....	14	893	226		5	
May.....	16	862	270		3	
June.....	27	613	386		3	
Total.....	1,269	9,731	5,208	5	37	

AMOUNTS RECEIVED.

Month.	For food.	For fees.	From sales.	Total.
1908.				
July.....		\$313.00		\$313.00
August.....		330.00		330.00
September.....	\$0.75	426.00	\$2.00	428.75
October.....	2.50	512.00		514.50
November.....		402.00		402.00
December.....		220.00	2.00	222.00
1909.				
January.....		60.00	20.00	80.00
February.....		76.00	24.00	100.00
March.....		84.00	4.00	88.00
April.....		28.00	10.00	38.00
May.....		32.00	6.00	38.00
June.....		54.00	6.00	60.00
Total.....	3.25	2,537.00	74.00	2,614.25

DOGS COLLECTED.

1908.		1909.	
July	360	January	87
August	124	February	72
September	71	March	61
October	80	April	98
November	57	May	137
December	66	June	206
Total		1,429	

Outline of average annual and daily work of the health department, fiscal years 1907-8 and 1908-9.

CLERICAL SERVICE.

Unit of work.	Annual average.		Daily average.	
	1908.	1909.	1908.	1909.
Number of letters received	8,506	10,236	27.8	33.5
Number of letters sent	16,057	20,240	52.5	66.1
Oral complaints received	3,777	4,013	12.3	13.1
Special reports indexed	2,589	2,406	8.5	7.9
Number of employees	8	8		
Total cost of service	\$8,800.00	\$8,800.00	\$28.76	\$28.76
Total cost of incidentals	\$863.00	\$877.00		
Total cost, exclusive of undistributed cost of supervision	\$9,663.00	\$9,677.00		
<i>Vital statistics.</i>				
Number of death certificates filed:				
Local	6,467	6,168	21.1	20.2
Foreign	498	464	1.6	1.5
Number of birth certificates filed	7,186	6,867	23.5	22.4
Number of stillbirth certificates filed	570	549	1.9	1.8
Number of transcripts issued	949	893	3.1	2.9
Number of burial and disinterment permits issued and subsequently received and filed	7,069	7,431	23.1	24.3
Amount collected from transcripts	\$438.00	\$406.50	\$1.43	\$1.33
Number of employees	3	3		
Cost of service	\$3,400.00	\$3,400.00	\$11.12	\$11.12
Cost of incidentals (approximate)	\$384.00	\$330.00		
Total cost, exclusive of undistributed cost of supervision	\$3,784.00	\$3,784.00		

INSPECTION SERVICE.

Unit of work.	Annual average.		Daily average.		Daily average per inspector.	
	1908.	1909.	1908.	1909.	1908.	1909.
<i>Sanitary inspection.</i>						
Complaints acted upon	9,582	10,103	31	33	4	3
House-to-house inspection	17,650	16,141	57	52	7	6
Number of barber shops inspected	495	647				
Number of inspections	2,790	3,053	9	10	1	1
Number of stables inspected	(a)	(a)				
Total inspectors	8	10				
Total salaries	\$9,200.00	\$10,825.00	\$24.65	\$29.93	\$3.08	\$2.99
Cost of incidentals (approximate)	\$586.00	\$514.00	\$1.60	\$1.40	\$0.20	\$0.14
Total cost of general sanitary service, exclusive of undistributed cost of supervision	\$9,786.00	\$11,339.00	\$26.25	\$31.33	\$3.28	\$3.13
<i>Smoke inspection.</i>						
Number of places under observation	310	542				
Number of observations	15,885	10,903	51.8	35.6	51.8	35.6
Number of inspectors	1	1				
Total salaries	\$1,200.00	\$1,200.00	\$3.26	\$3.26	\$3.26	\$3.26
Cost of incidentals (approximate)	\$58.00	\$45.00	\$0.16	\$0.12	\$0.16	\$0.12
Total cost of service, exclusive of undistributed cost of supervision	\$1,258.00	\$1,245.00	\$3.42	\$3.38	\$3.42	\$3.38

^a The regulation requiring the registration of stables was promulgated by the commissioners July 22, 1908, and became operative September 4, 1908, and the registration of stables was begun January 1, 1909.

Outline of average annual and daily work of the health department, fiscal years 1907-8 and 1908-9—Continued.

INSPECTION SERVICE—Continued.

Unit of work.	Annual average.		Daily average.		Daily average per inspector.	
	1908.	1909.	1908.	1909.	1908.	1909.
<i>Food inspection.</i>						
Dairy farm inspection:						
Number of farms inspected.....	904	882				
Number of inspections.....	4,407	4,294	16.2	15.6	2.7	2.6
Number of inspectors.....	6	6				
Total salaries.....	\$7,090.00	\$7,200.00	\$19.42	\$19.72	\$3.29	\$3.28
Cost of traveling expenses and incidentals (approximate).....	\$1,989.48	\$3,283.28	\$5.44	\$8.99	\$0.91	\$1.50
Total cost, exclusive of undistributed cost of supervision.....	\$9,079.48	\$10,483.28	\$24.87	\$28.61	\$4.21	\$4.77
Chemical laboratory:						
Number of samples analyzed.....	5,627	4,577	18.37	14.96	9.18	7.48
Food.....	5,227	4,040	17.08	13.20	8.54	6.60
Water.....	352	455	1.15	1.49	.164	.2119
Miscellaneous.....	48	82	.157	.268	.157	.268
Number of employees.....	2	2				
Cost of incidentals (approximate).....	\$2,700.00	\$2,700.00	\$8.02	\$8.82	\$4.41	\$4.41
Total cost, exclusive of undistributed cost of supervision.....	\$3,306.00	\$3,324.00	\$9.06	\$9.106	\$2.59	\$2.60
Markets, stores, lunchrooms, bakeries, etc.:						
Number inspected.....		3,283				
Number of inspections.....		36,399		121		30
Number of inspectors.....		4				
Total salaries.....		\$4,800.00		\$16.00		
Cost of incidentals (approximate).....		\$100.00		\$0.33		
Total cost, exclusive of undistributed cost of supervision.....						

POUND SERVICE.

Number of animals impounded.....	10,770	11,042	29.5	30.3		
Number of animals collected on request.....	3,828	3,521	10.5	9.6		
Fees collected.....	\$1,827.00	\$2,614.25	\$5.00	\$7.16		
Number of employees ^b	9	9				
Total cost of service.....	\$4,464.00	\$5,851.00	\$12.23	\$16.03		
Cost of incidentals (approximate).....	\$1,744.00	\$2,618.00				
Total cost, exclusive of undistributed cost of supervision.....	\$6,208.00	\$8,469.00				

CONTAGIOUS-DISEASE SERVICE.

Cases reported:						
Tuberculosis.....	922	736	5.06	1.04	0.5	0.4
Typhoid fever.....	716	292	3.93	1.6	.39	.16
Scarlet fever.....	149	426	.81	2.34	.081	.23
Measles.....	404	6,379	2.21	35.04	.22	3.5
Diphtheria.....	314	219	1.72	1.2	.17	.12
Whooping cough.....	170	326	.93	1.79	.093	.17
Epidemic cerebro-spinal meningitis.....	4	10	.02	.05	.002	.005
Chicken pox.....	142	391	.78	2.14	.078	.21
Leprosy.....	1	0	.005	.0	.0005	.0
Glanders.....	0	1	.0	.005	.0	.0005
Smallpox.....	13	12	.07	.06	.007	.006

^a Milk.....	3,659	Vinegar.....	46
Cream.....	101	Lard.....	16
Skimmed milk sold as such.....	12	Flavoring extracts.....	12
Buttermilk.....	27	Sausage.....	7
Ice cream.....	29	Drugs and medicines.....	13
Butter.....	14	Samples analyzed for the police department.....	39
Water.....	455	Miscellaneous.....	30
Candy.....	48		
Mustard.....	42	Total.....	4,577
Olive oil.....	27		

^b Three extra men from January 1 to June 30, 1908. Three extra men from July 1, 1908, to June 30, 1909.

REPORT OF THE HEALTH OFFICER.

Number of inspectors.....	10	Number of nurses.....	6
Number of clerks.....	3	Number of messengers.....	1
Number of watchmen.....	17		
Number of laborers.....	15	Total.....	56
Number of janitors.....	4		

Total cost of service rendered by employees..... \$16,128.15
 Cost of transportation and incidentals (approximate)..... 4,883.18

Total cost of service..... 21,011.33

Total cost of service, exclusive of undistributed cost of supervision..... 17,666.73

DISINFECTING SERVICE.

Number of premises disinfected.....	1,658
Number of employees.....	10
Total days' service rendered.....	1,000

Cost of service:
 Salaries..... \$2,160.55
 Incidentals..... 1,641.55
 Cost of service, exclusive of undistributed cost of supervision..... 3,802.10

BACTERIOLOGICAL LABORATORY.

Number of specimens examined.....	4,554
Number of employees.....	3
Number of days' service rendered.....	701
Total cost of service.....	\$1,599.00
Incidental expenses (approximate).....	\$300.00
Total cost, exclusive of undistributed cost of supervision.....	\$1,899.00

SMALLPOX HOSPITAL.

Number of patients cared for.....	25
Number of hospital days, including sixty-two for leprosy.....	158
Number of employees, including physician.....	5
Number of days' service rendered.....	816
Cost of incidentals (approximate).....	\$2,669.46
Total cost, exclusive of undistributed cost of supervision.....	\$3,515.21

QUARANTINE STATION.

Number of patients cared for.....	47
Number of quarantine days.....	116
Number of employees.....	7
Number of days' service rendered.....	545
Cost of incidentals (approximate).....	\$1,390.93
Total cost of service, exclusive of undistributed cost of supervision.....	\$3,226.18

AMBULANCE SERVICE.

Minor contagious diseases:	
Number of patients transported.....	381
Number of employees.....	4
Number of days' service rendered.....	356
Cost of service.....	\$712.00
Cost of incidentals (approximate).....	\$560.00
Total cost of service, exclusive of undistributed cost of supervision.....	\$1,272.00

CREMATORIUM.

Number of bodies burned.....	455
Number of employees.....	1
Cost of service.....	\$614.25

MEDICAL INSPECTION OF PUBLIC SCHOOLS.

	Annual average.	Daily average.	Daily average per inspector.
Number of schools inspected.....	167	0.94	0.075
Number of teachers, pupils, and janitors subject to inspection ^a			
Number of visits to schools.....	9,197	51.1	4.14
Number of inspections of teachers, pupils, and janitors.....	15,443	86.76	7.23
Number of inspectors.....	12		
Total cost of service.....	\$6,000		
Total cost of incidentals (approximate) ^a			
Total cost, exclusive of undistributed cost of supervision ^a			

^a Not known.

APPENDIX E.

LAWS AND REGULATIONS RELATING TO PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA ENACTED FROM JULY 1, 1908, to JANUARY 25, 1910.

COMMISSIONERS' ORDERS.

JULY 22, 1908.

Ordered: That the Health Ordinances of the District of Columbia be, and they are hereby, amended by adding thereto the following:

REGULATION REQUIRING THE REGISTRATION OF LAUNDRIES.

That every person who commonly launders for pay on the premises which he or she occupies, the clothing, or the sheets, pillow-cases, table-cloths, napkins, or other similar articles, belonging to any other person or persons, shall report that fact to the Health Officer in writing within thirty days after this regulation takes effect, giving his or her name and the location of his or her premises, and the number of persons or families living independently of one another whom he or she serves, if less than ten in number; and thereafter every person laundering as aforesaid, shall report in like manner his or her name, and the location of his or her premises, and the number of persons or families whom he or she serves, within five days after the beginning of his or her occupancy of such premises and the use thereof for the purposes aforesaid. Any person violating any of the provisions of this regulation shall, upon conviction thereof, be punished by a fine of not more than twenty-five dollars. Commissioners' order of July 22, 1908, as amended by order of August 7, 1908.

By order:

WM. TINDALL, *Secretary*.

JULY 22, 1908.

Ordered: That the ordinance entitled "An ordinance to revise, consolidate, and amend the ordinances of the board of health, to declare what shall be deemed nuisances injurious to health, and to provide for the removal thereof, as amended by ordinances of July 30, 1875, and by commissioners' orders of June 25, 1901, January 2, 1902, April 4, 1906, May 3, 1907, and July 7, 1908," approved November 19, 1875, is hereby amended by inserting therein the following after section 18 *F* thereof, to be known as section 18 *G*, viz:

Sec. 18 *G*. Every person using within the District of Columbia any building, or any portion of a building, in the city of Washington, or in any of the more densely populated suburbs thereof, as a stable for one or more horses, mules, or cows, shall report that fact to the Health Officer, in writing within thirty days after this regulation takes effect, giving his or her name, and the location of such stable, and the number and the kind of the animals stabled therein; and

thereafter every person occupying any building, or any portion of a building, in the city of Washington, or in any of the more densely populated suburbs thereof, for the purpose aforesaid, shall report in like manner his or her name and the location of said stable and the number and kind of animals stabled therein, within five days after the beginning of his or her occupancy of such buildings; provided, that stables recorded at the Health Office as parts of dairy farms in the District of Columbia need not be so reported.

By order:

WM. TINDALL, *Secretary.*

NOVEMBER 17, 1908.

Ordered: That, pursuant to the authority vested in the commissioners by the "Joint resolution authorizing the Commissioners of the District of Columbia to alter, amend, or repeal certain health ordinances" approved February 28, 1899, "An ordinance to prevent the sale of unwholesome food in the cities of Washington and Georgetown" as amended by commissioner's order of January 2, 1902; April 21, 1903; October 6, 1904; April 24, 1906; May 31, 1907; June 10, 1907, and April 11, 1908, is hereby further amended by adding thereto the following:

SEC. 15. No person shall use any premises or any part of any premises in the District of Columbia, for the preparation, manufacture, or storage for sale, or for the offering for sale, exchange, or delivery, of any food, drink, confectionery, or condiment for man, unless such premises or part of premises be provided with running water, or other proper water supply if running water be not available, and with all necessary facilities, apparatus, and material, for the proper cleansing of said premises or part of premises, and of all apparatus, utensils and materials used in connection therewith, and for the proper cleansing of the hands of all the persons employed therein. Any person violating any of the provisions of this section shall, upon conviction thereof, be punished by a fine of not more than twenty-five dollars for each and every such offense, and each day's violation shall be deemed to be a separate offense.

By order:

WM. TINDALL, *Secretary.*

REGULATION RELATIVE TO SCHOOL ATTENDANCE IN CASE OF MEASLES.

MARCH 22, 1909.

Ordered: That section 6 of the regulation for the prevention of the spread of scarlet fever, diphtheria, measles, whooping cough, chicken pox, epidemic cerebro-spinal meningitis, and typhoid fever is hereby amended by adding thereto the following paragraph:

Provided, That persons residing in premises where a patient is suffering from measles, may, upon the presentation of evidence satisfactory to the health officer that they themselves had previously suffered from a well-defined attack of measles, and upon the presentation to the teacher of a certificate from the health officer to that effect, be permitted to continue in attendance at school.

By order:

WM. TINDALL, *Secretary.*

REGULATIONS TO GOVERN THE ESTABLISHMENT AND MAINTENANCE
OF PRIVATE HOSPITALS AND ASYLUMS.

MAY 19, 1909.

Ordered: That the following regulations to govern the establishment and maintenance of private hospitals and asylums, whether for human beings or for domestic animals, in the District of Columbia, are hereby promulgated:

1. Every person as defined in section 3 of the act of Congress approved April 20, 1908, entitled "An act to regulate the establishment and maintenance of private hospitals and asylums in the District of Columbia," desiring to maintain a private hospital or asylum, either for human beings or domestic animals, shall file with the Commissioners of the District of Columbia his application in writing for a license so to do, showing (1) the kind and number of cases that it is desired to treat; (2) the number, location, and capacity of the buildings to be used, and the purposes of each, and the location and area of the site; and (3) the name of the owner of the proposed institution (as distinguished from the owner of the buildings and land).

2. No person shall establish or maintain any part of any private hospital or asylum, either for human beings or domestic animals, unless or until said person has filed with said commissioners the written consent of not less than two-thirds of the owners and the occupants of all buildings located on lots or subdivisional lots any part of which lots or subdivisional lots is within 100 feet, measured in a straight line, from the nearest part of said establishment used for the care or treatment of patients: *Provided*, That the word "occupant" as applied to an apartment house, hotel, or boarding house shall be held to mean the owner or agent therefor, and storekeepers thereof, and not the occupants of individual apartments or suites; *And provided further*, That this section shall not apply to any hospital or asylum which was established prior to, and was being maintained at, the time of the passage of an act entitled "An act to regulate the establishment and maintenance of private hospitals and asylums in the District of Columbia, approved April 20, 1908," while located on the site occupied by it at the time of the promulgation of these regulations, nor to the extension of any such hospital or asylum on grounds adjacent to said site.

3. No license to maintain a private hospital or asylum will be issued by the commissioners until after the health officer, the inspector of buildings, the chief engineer of the fire department, and the inspector of plumbing have certified after examination thereof that the premises which it is proposed to use for the purpose are, in their judgment, suitable therefor.

4. No permit will be issued for the establishment and maintenance of any hospital or asylum except on condition that the licensee file and keep current a bond to the District of Columbia in the penal sum, in the case of a hospital for human beings, of \$5,000, and in the case of a hospital for domestic animals, in the penal sum of \$1,000, conditioned in either case for the benefit of any and all persons treated or cared for in said hospital or asylum who may be aggrieved by any act, or by any neglect, arising out of or in connection with the establishment or maintenance of said hospital or asylum: *Provided*, That this section shall not apply when and so long as the premises occupied by said hospital or asylum are owned by the owner of such institution.

5. Every license to establish and maintain, or to maintain, a private hospital, whether for human beings or domestic animals, shall specify the number and kind of patients that may be received therein, but any such license may be altered or amended at any time by the commissioners, upon cause shown. No person shall receive in any private hospital, except in case of emergency, any patient in excess of the number specified in the permit, or of a kind not so specified.

6. Every proprietor and every superintendent of a private hospital or asylum for human beings shall keep on the premises a permanent record, showing the name, usual residence (giving street and number), sex, color, age, and social status (whether married, single, or divorced) of each patient, showing also the date of admission and date of discharge. Said entries shall be made serially in order of occurrence, and births and stillbirths occurring in the institution shall be serially recorded therein, but no entry need be made to show the identity of the parents of any illegitimate child.

7. No person shall establish or maintain any private hospital or asylum, either for human beings or for domestic animals, in any building, or in any hospital or asylum, or use for the reception of patients or of employees any part of any building, unless said building or part of building is properly lighted, ventilated, drained, heated, and screened, provided with a proper supply of hot and cold water at all times, and equipped with such fire escape and means of fire protection as are required by law.

8. No person shall use any building or part of a building as a private hospital or asylum for human beings, except for children under 5 years of age, unless or until it has been provided with one or more rooms properly barred for the protection of insane, drunken, or delirious inmates, or with facilities for promptly barring one or more such rooms.

9. No person, being the owner or superintendent or an employee of any private hospital or asylum, shall permit any delirious or maniacal patient, or any patient who may reasonably be expected soon to become delirious or maniacal, to remain in any room that is not properly barred and closed so as to prevent the escape of such patient or accident or injury to him, unless said patient is in the actual physical presence of an attendant capable of controlling and restraining him.

10. No person maintaining a private hospital shall without written permission of the health officer receive or unnecessarily keep therein for care or treatment in the case of hospitals for human beings any person known to be suffering from smallpox, scarlet fever, diphtheria, measles, whooping cough, chickenpox, mumps, or Asiatic cholera, plague, yellow fever, leprosy, or glanders, or, in the case of hospitals for domestic animals, any animal suffering from rabies, glanders, or farcy, contagious lymphangitis, influenza or pink eye, strangles, dog distemper, contagious stable pneumonia, anthrax, mange, or tuberculosis.

11. No person licensed to maintain a private hospital or asylum for human beings shall advertise, either directly or indirectly, that he will adopt or procure the adoption of any child or children, or hold out to any person facilities for disposing of offspring.

12. When the licensee of any private hospital or asylum for human beings is not a physician lawfully authorized to practice medicine

in the District of Columbia, or, in the case of any hospital or asylum for domestic animals, is not a veterinary surgeon lawfully authorized to practice veterinary medicine in said District, said licensee shall appoint one or more physicians, or one or more veterinary surgeons, as the case may be, with his or her consent, to act as an attending staff or medical board and to be responsible for the treatment of such patients in said hospital or asylum as are not under the professional care of some other lawfully practicing physician or veterinary surgeon; said licensee shall post the names of the physicians or veterinary surgeons so appointed in the office or in some other corresponding part of said hospital or asylum. No person shall establish or maintain any private hospital or asylum unless, or so long as, said institution is not provided with an attending staff or medical board as aforesaid.

13. That whenever it is made to appear to the satisfaction of the commissioners that any private hospital or asylum, either for human beings or for domestic animals, is a menace to the lives, limbs, health, or morals of the inmates thereof, or is a nuisance to the neighborhood, or is conducted contrary to the provisions of these or other regulations or of law, the commissioners shall give notice to the licensee, requiring him within a period specified in said notice to show cause why his license should not be revoked; and unless such cause be shown to their satisfaction, said commissioners will revoke said license.

HENRY B. F. MACFARLAND,
HENRY L. WEST,
WILLIAM KELLY (Acting),
Commissioners, District of Columbia.

Amended, by order of commissioners of October 7, 1909, by revoking section 14.

REGULATIONS GOVERNING THE KEEPING OF FOWLS AND PIGEONS.

JULY 7, 1909.

Ordered: That section 6 of Article VII of the Police Regulations of the District of Columbia is hereby amended to read as follows:

SEC. 6. No person shall keep any kind of domestic fowl or pigeons within the District of Columbia within 25 feet inside the fire limits or 50 feet outside the fire limits of any structure owned by another and used for human habitation, occupation, or assembly, whether the said structure be in the same or an adjacent block or square, nor shall such fowls be permitted to run, fly, or stray within 50 feet of any such structure. No such fowls or pigeons shall be kept in any square or block having 75 per cent of its lots improved, without a permit from the health officer of the District of Columbia, nor otherwise than in compliance with the following conditions, viz:

I. *House:* (1) To be dry, well ventilated, and with window so placed as, if possible, to admit sunlight. (2) To be kept well white-washed within. (3) To be cleaned at least once a week between November 1 and May 1, twice a week between May 1 and November 1, and oftener if necessary.

II. *Perches.*—To be movable and kept clean.

III. *Nests*.—To be movable and cleaned, aired, and sunned at frequent intervals.

IV. *Drinking fountains*.—To be clean and supplied at all times with clean water.

V. *Yard*.—Surface to be kept clean and yard kept free from odor.

VI. No roosters are to be kept on the premises without the consent of a majority of the householders in that square or block.

If the said conditions are not complied with said permit shall be revoked: *Provided*, That nothing herein shall apply to such fowls or pigeons confined in coops in regularly established provision stores or public markets or to stores regularly established for the sale of fancy poultry or pigeons, or to fowls brought upon the premises and kept for a brief period, not to exceed twenty-four hours, for consumption. Any person violating any of the provisions of this section shall be fined not less than \$3 and not more than \$10, and each day such fowls or pigeons are kept in violation of any of the provisions of this section or any condition contained in any said permit shall be deemed a separate offense.

By order:

WM. F. MEYERS,
Acting Secretary.

NOVEMBER 3, 1909.

Ordered: That section 16 of Article XIII of the Police Regulations of the District of Columbia be changed to section 17, and that in lieu of the present section 16 there is hereby promulgated a new section 16, to read as follows:

SEC. 16. No restaurant, oyster house, cookshop, ice-cream parlor, dairy lunch, or eating house by whatsoever name designated where food, meals, or refreshments are served to transient customers, to be eaten on the premises where sold, shall be established, maintained, or continued without a certificate from the health officer, subject to the approval of the commissioners, that the premises are in a proper sanitary condition in which to conduct such business.

By order:

W. TINDALL, *Secretary.*

Amended by commissioners' order of December 28, 1909, omitting the words "subject to the approval of the commissioners."

NOVEMBER 24, 1909.

Ordered: That "An ordinance to prevent the sale of unwholesome food in the cities of Washington and Georgetown," as amended by orders of the Commissioners of the District of Columbia, be, and the same is hereby, further amended by adding thereto the following regulation, to be known as section 12a:

SEC. 12a. No restaurant, oyster house, cookshop, ice-cream parlor, dairy lunch, or eating house by whatsoever name designated, where food, meals, or refreshments are served to transient customers, to be eaten on the premises where sold, shall be established, maintained, or continued without a certificate from the health officer, sub-

ject to the approval of the commissioners, that the premises are in a proper sanitary condition in which to conduct such business. Any person who violates the provisions of this regulation shall, upon conviction thereof, be punished by a fine not exceeding \$25 for each and every such offense.

By order:

W. TINDALL, *Secretary*.

Amended by commissioners' order of December 28, 1909, omitting the words "subject to the approval of the commissioners."

ORDER OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA FOR
THE SUPPRESSION AND PREVENTION OF TUBERCULOSIS IN CATTLE.

NOVEMBER 26, 1909.

Ordered: The Commissioners of the District of Columbia having learned that tuberculosis, a communicable disease, prevails among the cattle in the District of Columbia and adjacent States, do hereby, pursuant to law, authorize and direct the following measures for the prompt suppression and to prevent the spread of bovine tuberculosis within the District of Columbia and to adjoining States:

SECTION 1. It is hereby ordered that no cattle shall, in any manner, be removed from the District of Columbia except upon written permission from the chief of the Bureau of Animal Industry or the health officer of the District of Columbia, which removal shall only be granted for cattle which have successfully passed an official tuberculin test, or are for immediate slaughter at an establishment at which United States meat inspection is maintained.

SEC. 2. Any person, firm, or corporation desiring to bring any cattle into the District of Columbia, except as provided in section 3, paragraph (c), shall first make application and obtain a permit from the chief of the Bureau of Animal Industry or from the health officer of the District of Columbia. The said application shall be in writing, stating the number, sex, and the age of the cattle, whether over or under 6 months old, the exact place, date, and time at which it is desired to enter said cattle, and their destination within the District of Columbia, together with a declaration showing clearly the purpose for which the cattle are desired to be entered, whether for immediate slaughter, feeding or breeding purposes, or for milk production.

SEC. 3. (a) Cattle offered for entry into the District of Columbia must be accompanied by a permit, as provided in section 2, and must be identified by an official veterinarian of the Bureau of Animal Industry or of the health department of the District of Columbia, and must be appropriately tagged before entrance is permitted, except as provided in paragraph (c) of this section.

(b) Cattle over 6 months old, for purposes other than immediate slaughter, unless accompanied by a satisfactory certificate of tuberculin test by a veterinary inspector of the Bureau of Animal Industry or an official veterinarian of the health department of the District of Columbia or of the State from which brought, must be immediately taken after identification, as provided in paragraph (a) of this section,

to a place designated by the chief of the Bureau of Animal Industry or health officer of the District of Columbia, and there quarantined apart from all other cattle until officially tuberculin tested and disposed of in accordance with these regulations: *Provided*, That no indemnity shall be allowed for such cattle as shall be slaughtered on account of their being deemed to be tuberculous. When accompanied by certificate of tuberculin test, as herein provided, the said certificate must show the place and date, within thirty days, of being offered for entry, of inspection and tuberculin testing, also temperature chart, description of the animal or animals, age, markings, and tag numbers, if tagged.

(c) Cattle for immediate slaughter may enter the District of Columbia if tagged in accordance with paragraph (a) and without the tuberculin test, on condition that the tag therein provided for shall remain attached to the hide until removed in the presence of an employee of the Bureau of Animal Industry or of the health department of the District of Columbia, to either of whom it shall be delivered. The owner of the animal at the time of slaughter is hereby required to notify the chief of the Bureau of Animal Industry or the health officer of the District of Columbia, stating the place where the hides will be found. If shipped in cars and consigned direct to an establishment having United States meat inspection, cattle for immediate slaughter may enter the District of Columbia without complying with section 2 and section 3, paragraph (a): *Provided, however*, That the consignee shall keep a complete record of each animal received, date of receipt, its place of origin, railroads traversed, name of shipper, and butcher class to which each animal belongs, and shall report the same before the slaughter of any such animals to the chief of the Bureau of Animal Industry through the veterinary inspector stationed at that establishment.

(d) Cattle under 6 months old for purposes other than immediate slaughter, when not accompanied by certificates as indicated in paragraph (b), may be brought into the District of Columbia as provided in paragraph (a), but said cattle must be accompanied by affidavits by the breeder or feeder and by the owner or shipper; said affidavits to state that tuberculosis has not been known to exist on the premises, during the six months immediately preceding the offer for entry, upon which said animals have been kept.

SEC. 4. Cattle over 6 months old already within the District of Columbia shall be inspected and tuberculin tested by a veterinary inspector of the Bureau of Animal Industry or of the health department of the District of Columbia. Cattle under 6 months old shall, in the same manner, be inspected, and when deemed necessary shall be tuberculin tested, said inspection and tuberculin testing to be repeated annually, or at such times as the chief of the Bureau of Animal Industry or the health officer of the District of Columbia may direct. All such cattle shall be officially tagged "U. S., B. A. I.," with a serial number, or "U. S., B. A. I., Reacted," with a serial number.

SEC. 5. All cattle already within the District of Columbia which are deemed to be tuberculous, either as a result of physical examination or the tuberculin test, shall be slaughtered within a time and at a place designated by the chief of the Bureau of Animal Industry or the health officer of the District of Columbia, and shall be subject to

official post-mortem inspection, and the carcass of any such animal shall be disposed of according to the meat-inspection regulations of the Bureau of Animal Industry. All such cattle shall be appraised before being slaughtered, the owners to be indemnified as hereinafter provided from any available appropriation made by Congress for the Bureau of Animal Industry of the United States Department of Agriculture for carrying out the provisions of the act of May 29, 1884, except as specified in section 8 of these regulations: *Provided*, That no liability shall be incurred under these regulations by the United States Department of Agriculture in excess of the funds available from the aforesaid appropriation of Congress, and whenever the chief of the Bureau of Animal Industry shall deem it necessary or advisable because of the lack of funds for the aforesaid purpose, he shall notify the health officer of the District of Columbia to that effect, and thereafter no liabilities shall accrue against the United States on account of any act done or permitted under these regulations.

SEC. 6. (a) The health officer of the District of Columbia shall designate or request the chief of the Bureau of Animal Industry to designate an appraiser, who shall appraise each animal within five days prior to the date of slaughter, basing the amount upon the class and market value of the animal at the time of the appraisal, whether for breeding purposes or for meat or milk production. Animals reacting to the tuberculin test but not exhibiting any physical evidence of tuberculosis shall be appraised without considering the presence of a diseased condition, but animals exhibiting any physical evidence of tuberculosis shall be appraised as diseased animals. The amount of appraisal shall not in any case exceed the sum of \$75 for a pure-bred and registered animal, or the sum of \$50 for a grade or nonregistered animal. If the amount of appraisal of any animal, as determined by the appraiser designated, is not satisfactory to the owner or owners of such animal, a written notice of such fact, setting forth the reasons for complaint, shall be forwarded upon the day of appraisal to the health officer of the District of Columbia. The amount of the appraisal shall then be determined by arbitrators, one to be appointed by the health officer of the District of Columbia or the chief of the Bureau of Animal Industry and one by the owner or owners of the animal or animals. If the said arbitrators are not able to agree as to the amount of appraisal, a third arbitrator shall be appointed by them, whose decision shall be final. Arbitrators shall be paid at a rate of compensation not to exceed \$5 per diem and necessary expenses. Compensation for the arbitrator appointed by the owner and the third arbitrator, if appointed, shall be paid from the fund of the United States Department of Agriculture if the decision made is against the arbitrator appointed by the health officer or the chief of the Bureau of Animal Industry, but if the decision is in favor of such arbitrator the owner shall pay the compensation of the arbitrator appointed by him, and the third arbitrator, if appointed.

(b) Following the appraisal of animals, in accordance with paragraph (a) of this section, the amount of reimbursement shall be determined by the results of post-mortem inspection according to the following rules:

Rule 1. If any animal is found, upon post-mortem inspection, not to be affected with tuberculosis, the carcass and other edible portions shall be passed for food, and the owner shall sell the same, including

all accompanying parts, for a reasonable price, which price shall be deducted from the amount of appraisal, and the balance, if any, thus remaining, shall be paid from any fund available for that purpose.

Rule 2. If any animal is found, upon post-mortem inspection, to be affected with tuberculosis, and the lesions are such that the carcass and parts of the carcass are passed for food, the owner shall sell the same, including all accompanying parts, for a reasonable price, which price shall be deducted from 80 per centum of the amount of the appraisal, and the balance, if any, thus remaining shall be paid from any fund available for that purpose.

Rule 3. If any animal, upon post-mortem inspection, is condemned for offal, the owner shall sell the hide for a reasonable price, which price shall be deducted from 40 per centum of the amount of the appraisal, and the balance, if any, thus remaining shall be paid from any fund available for that purpose.

SEC. 7. Any premises upon which there have been kept animals affected with tuberculosis shall be disinfected promptly after the removal of such animals, and in a manner satisfactory to the chief of the Bureau of Animal Industry or the health officer of the District of Columbia, said disinfection to be at the expense of the owner or owners of the premises or of the owner of the animals.

SEC. 8. Any owner, shipper, or common carrier bringing any cattle into the District of Columbia in violation of these regulations will be liable to prosecution, and the cattle shall be immediately removed, at the owner's expense, from the District of Columbia. Such cattle, however, may remain in the District of Columbia if inspected and tuberculin tested under the following conditions: The owner or owners shall first sign an agreement providing for the inspection and tuberculin test by a veterinary inspector of the Bureau of Animal Industry or of the health department of the District of Columbia, and if any one or more of the said animals should then be deemed tuberculous, that he or they will cause such animals to be slaughtered in accordance with the specifications of section 5 of these regulations; and, further, that no claim for reimbursement for any loss which might be thus sustained will ever be made against the United States Department of Agriculture, or any other branch of the United States Government, or the District of Columbia, or any officer or department thereof.

SEC. 9. Any person violating any of these regulations, or entering cattle by fraudulent means, or using false or fraudulent tags, or interfering in any way with the work of any official, or using any false or fraudulent means to enable any cattle to pass the tuberculin test, shall be punished by a fine of not more than \$40 nor less than \$5.

The foregoing regulations shall go into effect upon their approval by the Secretary of Agriculture.

HENRY B. F. MACFARLAND,

HENRY L. WEST,

WILLIAM V. JUDSON,

Commissioners of the District of Columbia.

Approved, November 27, 1909.

JAMES WILSON,
Secretary of Agriculture.

NOTE.—The States of Maryland and Virginia require tuberculin test for dairy and neat cattle entering from other States

DECEMBER 1, 1909.

Ordered: That section 6c of "An ordinance to prevent the sale of unwholesome food in the cities of Washington and Georgetown," as amended by orders of the Commissioners of the District of Columbia, be, and the same is hereby, amended so as to read as follows:

SEC. 6c. No person shall expose for sale on any public highway or in any uninclosed market, store, shop, stand, or stall, or in any open lot, or transport over any public highway to any place for sale there or elsewhere, in the District of Columbia, any meat, fish, plucked poultry or game bird, dressed rabbit or squirrel, butter, butterine, oleomargarine, lard, lard compound or substitute, cheese, candy, cake, bread, dates, figs, or any food whatsoever of a kind not commonly washed, peeled, shelled, or cooked, before eaten, unless the same be then and there effectually and in a cleanly manner wrapped, or covered and inclosed, so as to protect it from dust and insects.

No person shall expose for sale in any place aforesaid between April 1 and October 31, inclusive, of any year, any fresh meat or fresh fish unless said meat or fish, while thus exposed, be kept at a temperature not exceeding 55° F.

By order:

WILLIAM TINDALL, *Secretary.*

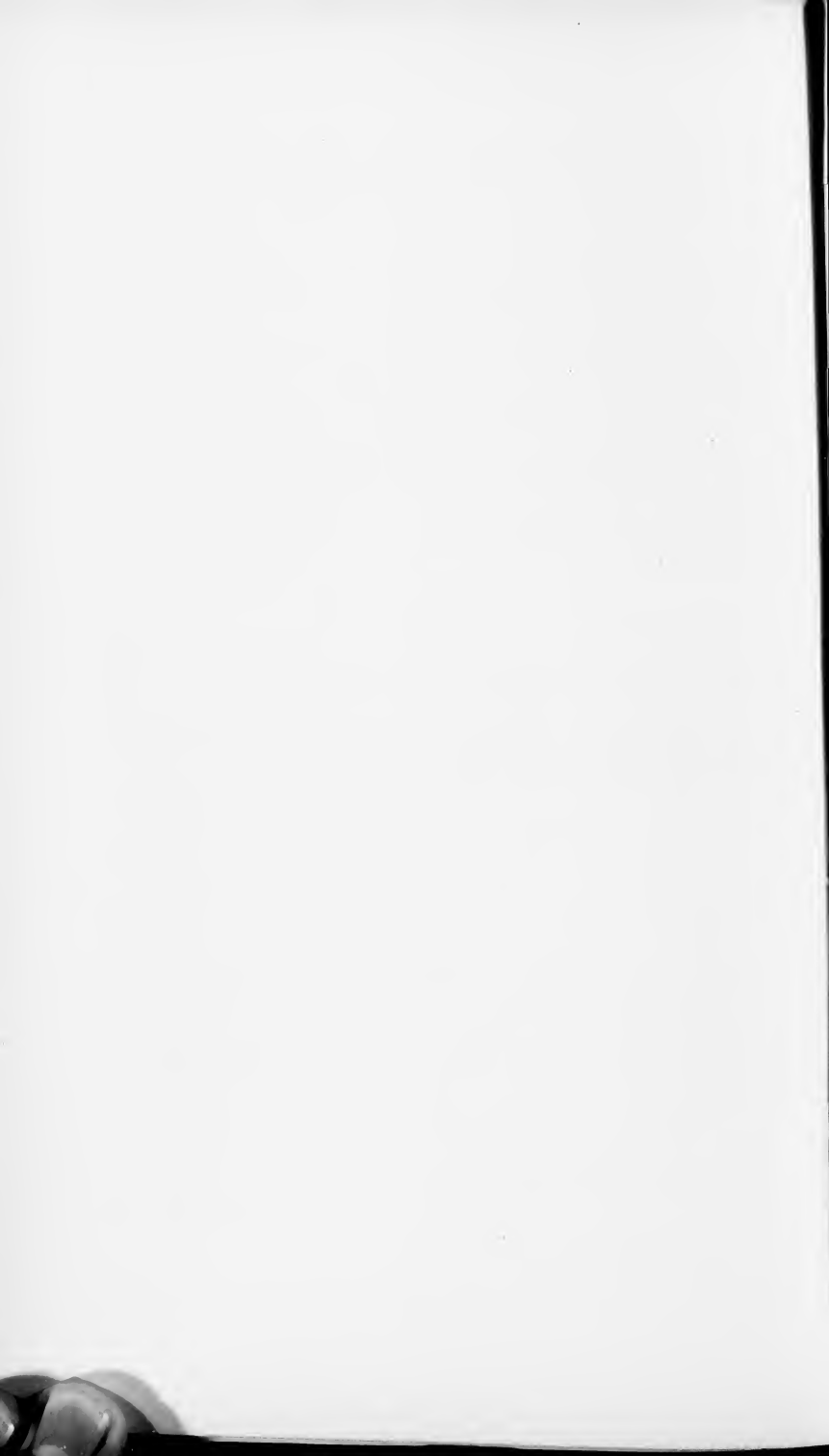
DECEMBER 18, 1909.

ORDER CONSTRUING COMMISSIONERS' ORDER OF NOVEMBER 3, 1909.

Ordered: That the amendment to section 16 of article 13 of the Police Regulations of the District of Columbia, made November 3, 1909, be construed as not applicable to licensed hotels.

By order:

WILLIAM TINDALL, *Secretary.*



APPENDIX F.

LIST OF PHYSICIANS ENTITLED TO PRACTICE MEDICINE IN THE DISTRICT OF COLUMBIA, JANUARY 12, 1910.

Abbe, Truman.	Barstow, Edward C.	Brady, Zadoc M.	Carr, William P.
Abbot, Griffith E.	Barstow, Kate D.	Brandenburg, W. H. R.	Carrico, A. J.
Abernethy, Eric A.	Barton, Wilfred M.	Brandt, Wm. E.	Carroll, James.
Acker, George N.	Bartsch-Dunne, Anna.	Branson, Joseph H.	Carroll, Robert L.
Adams, Jesse Lee.	Bastian, J. W.	Brayshaw, J. Lacey.	Carson, Simeon L.
Adams, Roy D.	Battle, Lewis J.	Brecht, Nelson Du Val.	Carter, Durus D.
Adams, Samuel S.	Battles, Samuel L.	Breckinridge, Scott D.	Carter, E. C., U. S. A.
Ainsworth, F. C.	Bayly, Rozier C.	Brenizer, Gilmer.	Carter, William C.
Alderman, Asahel H.	Bayne, J. Breckinridge.	Brewer, Isaac W.	Castelli, Enrico.
Alderman, Zenas W.	Beale, Robert S.	Bridger, James D.	Chadwick, De Witt C.
Alexander, Rose.	Beall, Benjamin M.	Briggs, John D.	Chaims, Geo. S.
Alleger, Walter W.	Beall, Chas. M.	Briscoe, John P.	Chamberlin, Frank T.
Alleman, Albert.	Beaman, Carroll J.	Bromwell, Josiah R.	Chancellor, P. S.
Allen, Charles L.	Beattie, Wray.	Bronson, Charles E.	Chapman, Thomas P.
Allen, Charles W.	Beatty, Louis Kelley.	Brooks, Carroll A.	Chappell, John W.
Allen, Elijah H.	Beatty, Walter K.	Brooks, Floyd V.	Chappell, Sidney L.
Allen, Elzora B.	Beckett, George M.	Brooks, J. Henry.	Charles, Francis M.
Allen, H. Jerome.	Beckley, E. R.	Brooks, John Doshier.	Childs, Creed W.
Allen, Jacob S.	Beebe, William B.	Brooks, Phil. B.	Chipman, C. N.
Allen, John.	Behrend, Adajah.	Brosius, Mary Alice.	Chisholm, Francis M.
Ammerman, Charles C.	Behrend, Edwin B.	Brown, Charles W.	Choate, Rufus.
Anderson, C. T. G.	Behrend, Sidney.	Brown, Harry Lee.	Christmas, Wm. W.
Anderson, Joseph W.	Bennett, A. B., Jr.	Brown, Hugh A.	Church, James R.
Anderson, U. Grant.	Bennett, Harrison M.	Brown, Mary L.	Church, Chas. Herman.
Armstrong, Wm. J.	Bennett, Maitland C.	Brown, Orville J.	Clark, George C.
Arnold, Guy F.	Bennett, Robert A.	Brown, Robert W.	Clark, James J.
Arnold, John S.	Bennett, William W.	Brown, Sara Winifred.	Clark, John Alex.
Arnzen, Julius Leo.	Beresford, Galsworthy G.	Brown, W. Hayes.	Clark, Taliaferro.
Arthur, Wm. H., U. S. A.	Bermann, Isador.	Browne, Rhodic W.	Clarke, Wm. Earl, Jr.
Arwine, James T.	Bernstein, Hymon.	Browning, Andrew J.	Clarke, Winfield S.
Ashford, Bailey K.	Beward, William A.	Brumbaugh, Gaius M.	Clayton, James G.
Ashford, Francis A.	Biggs, Joseph R.	Brummett, Randolph B.	Clayton, Thomas A.
Ashford, Mahlon.	Billard, Chas. Lewis.	Bryan, Joseph H.	Clemens, James E.
Atkinson, John F.	Billard, Jules F.	Bryson, Herbert J.	Clement, A. B. C.
Atkinson, Wade H.	Birdsall, Charles W.	Buchanan, Chas. M.	Clements, Lyman J.
Atwell, John R.	Birdsall, Gregg Custis.	Buchanan, Wm. R.	Clemens, Carl Anson.
Atwood, Oliver M.	Birmingham, H. P., U. S. A.	Buck, John R.	Clifford, John S.
Avery, Frederick S.	Birney, Edith S.	Bulkley, John W.	Coblentz, Horace B.
Ayres, Wm. W.	Birtwell, Daniel T.	Bunnenmeyer, Bernard.	Coburn, Henry C., Jr.
Babbitt, George E.	Biscoe, Frank L.	Burbank, Caryl.	Coe, Anton.
Babbitt, Zeno B.	Bishop, Francis B.	Burch, Edward W.	Cole, George R. Lee.
Bacas, Henry.	Bishop, Herbert F.	Burch, W. Thompson.	Cole, John T.
Bacon, Robert B.	Blackburn, Isaac W.	Burke, Francis E.	Coleman, Horace.
Baggett, John B.	Blackburn, Richard S.	Burke, Fredk. B.	Collins, Albert R.
Baier, G. K.	Blaine, Robt. G.	Burke, Thomas W.	Collins, Charles R.
Bailey, Grafton D. P.	Blair, Joseph D.	Burritt, Alice.	Collins, Edward J.
Bailey, Henry L.	Blake, Levi C.	Burritt, Martha Clark.	Collins, Henry F.
Bain, Seneca B.	Blake, Louisa M.	Bush, Daniel P.	Collins, John F.
Baker, Frank.	Blakistone, Julian C.	Butler, Arthur R.	Colwell, Clifford B.
Baker, Frank Cole.	Bliss, Charles L.	Butler, William K.	Compton, William P.
Baker, Leigh Y.	Bogan, Fred. Macon.	Butterfield, Elmore E.	Conklin, Coursen B.
Baker, May D.	Bogan, Joseph B.	Butz, Abraham D.	Conklin, Rush W.
Baker, Osmyn.	Bogan, Samuel W.	Byrne, Patrick J.	Conner, William H.
Baker, Robert W.	Bogges, John S.	Byrne, Walter C.	Constas, John.
Baker, Willie W.	Bogle, John C.	Byrnes, William F.	Conyngton, Wm.
Baldus, William T.	Boomer-Guibord, Al-	Cabaniss, George W.	Cook, Elmore A. A.
Baldwin, C. A.	berta S.	Cabell, J. M., U. S. A.	Cook, George W.
Baldwin, Mosby.	Borden, Wm. C., U. S. A.	Caldwell, Charles T.	Cook, Giles B.
Balloch, Edward A.	Boss, Rufus D.	Caldwell, Harry C.	Cook, Henry C.
Banister, W. B.	Boswell, Archie W.	Callan, Cornelius V. N.	Cook, Richard L.
Barber, James M.	Boteler, William C.	Calvert, Finley H.	Cooke, Robert R.
Barbour, Frank A.	Bovee, J. Wesley.	Camaller, Franklin A.	Cooke, Thomas C.
Barger, A. S.	Bowen, William S.	Cameron, Malcolm.	Coolidge, Augustus B.
Barker, Howard H.	Bowers, John E.	Camp, George H.	Copeland, Edgar P.
Barker, Howard W.	Bowker, Chas. H.	Campbell, Charles B.	Corbin, William E.
Barnes, Noble P.	Boyd, Carl B.	Cannon, James S.	Corey, George B.
Barnes, Wm. M.	Boyd, Chas. L.	Cannon, Walter D.	Corley, Karl C.
Barnesby, Walter R.	Boyd, George W.	Canvalier, Franklin A.	Cornish, Mabel.
Barnhart, Grant S.	Boyle, Edward M.	Cardoza, Francis J.	Coumbe, Arthur G.
Barrie, George.	Brackett, John E.	Carman, Louis D.	Coumbe, Oscar H.
Barrington, Richard I.	Bradon, Francis W.	Carmichael, Randolph B.	Cowden, J. Morrow.
Barry, Edmund.	Bradfield, Jefferson D.	Carpenter, D. N., U. S. N.	Cowper, Arnold W.
Barry, John P.	Bradley, Geo. P., U. S. N.	Carr, W. Browne.	Cox, S. Clifford.

- Craig, Albert E.
 Craig, Henry H.
 Craig, John M.
 Crandell, Henry N.
 Crawford, C. Alexander.
 Crichton, Macpherson.
 Crittenden, Thomas B.
 Crocchia, Antoine.
 Crook, Harrison.
 Crosby, W. D., U. S. A.
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 Crush, B. Alice.
 Cummiskey, Edw. F.
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 Curtis, Austin M.
 Cushing, Maria J.
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 Custis, J. B. Gregg.
 Custis, J. B. Gregg, jr.
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 Darnall, Moses H.
 Darrah, Austin A.
 Davidson, Edward Y.
 Davis, Carl L.
 Davis, Carrie C.
 Davis, Charles A.
 Davis, Daniel G.
 Davis, Dowdell H.
 Davis, Frank F.
 Davis, Geo. W.
 Davis, Llewellyn F.
 Davis, Wm. T.
 Dawson, Charles F.
 Day, Geo. Frank.
 Deale, Henry B.
 Dear, Wm. R.
 De Carré, Alfred.
 Deebie, Horace M.
 Delancy, Martin D.
 De Laney, M. A., U. S. A.
 Demarest, Cornelius L.
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 Dennison, Ira W.
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 Devereux, J. Ryan.
 De Vries, J. Carlisle.
 De Weese, Cornelius.
 Dewey, Christian H.
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 Dickson, S. H., U. S. N.
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 Dowling, Thomas, jr.
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 Eddy, Otis S.
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 Evans, Albert W.
 Evans, Warwick.
 Evans, Wilson B.
 Eversfield, Wm. O.
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 Fales, Ella Roy.
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 Foster, George W.
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 Foye, A. Frances.
 Fraction, James M.
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 Frankland, W. Ashby.
 Franklin, E. T. M.
 Franzoni, Charles W.
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 Freeze, Harris H.
 French, Leigh H.
 French, William B.
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 Friederich, Leon L.
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 Frost, Ellis F.
 Frost, John W.
 Fry, Henry D.
 Fry, Samuel.
 Fuller, Homer G.
 Furcron, Gustavus W.
 Gaines, Richard L.
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 Gallagher, Matilda J.
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 Gannon, James A.
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 Garrison, Fielding H.
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 Gibbs, Benjamin F.
 Gibson, Frank E.
 Gibson, R. H.
 Gilbert, C. Evelyn.
 Gilchrist, Edgar Y.
 Gill, William T.
 Gill, Lee A.
 Gillette, Hubbard.
 Gilliland, Orange C.
 Girard, A. C., U. S. A.
 Gladmon, Edwin.
 Glasecock, Alfred.
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 Gleeson, James K. P.
 Glover, Mervin W.
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 Godfrey, Carlos E.
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 Goines, William H.
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 Goodman, Hector H.
 Goodman, William R.
 Gosling, Henry L.
 Gracy, George W.
 Graham, James F.
 Graham, Neil D.
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 Granfield, Charles P.
 Grasty, Thos. S. D.
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 Grayson, Charles S.
 Grayson, C. T., U. S. N.
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 Greene, Lawrence M.
 Greene, Louis S.
 Greene, Samuel H., jr.
 Greene, Willard P.
 Greenleaf, Harry S.
 Greenstreet, A. G.
 Griffin, Jno. C.
 Griffin, Thomas A.
 Griffith, Charles I.
 Griffith, Lewis A.
 Griffith, Michael J.
 Griffith, Monte.
 Griffith, S. H.
 Griffith, Thos. E.
 Griffith, William E.
 Groce, Henry R.
 Groce, S. Marie.
 Groff, Chester C.
 Groover, Thomas A.
 Gross, Alfred G.
 Grubbs, R. B.
 Gruel, Louis T.
 Grunwell, Alfred G.
 Guibord, Alberta S. Boomhower.
 Gunion, John Paul.
 Gunning, Edw. J.
 Guss, Harry T.
 Gwynn, Oscar J.
 Gwynn, Wm. C.
 Haas, Carleton D.
 Hagner, Charles E.
 Hagner, Francis R.
 Halford, Joseph W.
 Hall, Arthur J.
 Hall, J. Mitchell.
 Hall, Julia R.
 Hamilton, James R.
 Hamilton, Ralph A.
 Hamilton, Richard T.
 Hammett, Chas. M., jr.
 Hammond, Thos. V.
 Hampson, Elizabeth.
 Hance, Theodore F.
 Hancock, Eugene Thos.
 Handy, Wm. E.
 Hannon, Samuel L.
 Hansmann, Theodore.
 Hanson, Louis H.
 Hardesty, Joseph R. L.
 Hardesty, Wm. S.
 Hardin, B. L.
 Harding, Gena R.
 Harding, Harry T.
 Harding, Ralph A.
 Harlan, Tharos.
 Harmer, James B.
 Harrington, Francis E.
 Harrison, Bernard H.
 Harrison, Chas. A.
 Harrison, Chas. C.
 Harrison, Charles S.
 Harrison, Herbert A.
 Harrison, James S.
 Harrison, John S.
 Harrison, Julia C.
 Hart, James W.
 Hartsock, Fredk. M.
 Harvey, A. K. P.
 Harvey, Heber McK.
 Harvey, Levin A.
 Hasbrouck, Edwin M.
 Hathaway, G. S., U. S. N.
 Havenner, George C.
 Hawkhurst, Howard H.
 Hayden, Reynolds.
 Hayes, Frank C.
 Hayes, Henry L.
 Hayes, J. Robert.
 Haynes, Henry M.
 Hays, Melville A.
 Hazen, Henry H.
 Hazen, William P. C.
 Hefebower, Roy C.
 Heger, Anton, jr.
 Heiberger, Ida J.
 Heinicke, George B.
 Heiner, Robert G.
 Heiser, William H.
 Heitmuller, George H.
 Heller, Irma I.
 Heller, Joseph M.
 Helm, Milton.
 Helton, Addison S.
 Hemler, Wm. F.
 Henderson, George.
 Henning, Samuel C.
 Hensley, James T.
 Hepburn, James H.
 Herald, Avediss B.
 Herbert, Joseph Wells.
 Herdliska, Charles V.
 Heron, William H.
 Hewetson, Sara E.
 Hickling, D. Percy.
 Higgins, Daniel W.
 Higgins, Montgomery E.
 Higgins, Raymond P.
 High, Daniel L.
 Hill, Richard S.
 Hillgass, Ross J.
 Hilliard, W. T., jr.
 Hilton, James F.
 Hines, James M.
 Hislop, Margaret.
 Hoadley, Almer M.
 Hodes, Harry K.

Hodge, Edwin R.
Hodges, J. Walter.
Hodgson, Charles S.
Hoffman, Walter J.
Holbrook, Chas. M.
Holden, Cora M.
Holden, Raymond T.
Holland, Josiah H.
Hollfield, Horatio B.
Holmes, Charles.
Holmes, John A.
Holmes, Mary.
Holmes, R. W.
Holt, Warner.
Hooe, A. Barnes.
Hooe, Robert A.
Hopkins, Charles J.
Hopkins, J. Milton.
Hord, William T., jr.
Hore, Cassius W.
Horigan, William D.
Hoskins, James T.
Hough, J. Spencer.
Hough, Wm. H.
Houghton, Montafix W.
House, Z. E.
Housel, Firman.
Howard, Arcturus Lee.
Howard, C. Norman.
Howard, D. C., U. S. A.
Howard, James H.
Howard, Joseph T.
Howard, Joseph T. D.
Howard, Stanton W.
Howard, Wm. J., jr.
Howe, Orwin E.
Howell, Arnold G.
Howland, George T.
Hubbell, Wm. Wheeler.
Hudson, Wm. Burrows.
Hughes, William D.
Hughes, William H.
Hull, June M.
Hull, Theo. Y.
Hume, Howard.
Hunmer, Harry R.
Hunt, Arthur Le Roy.
Hunt, Henry J.
Hunt, Presley C.
Hunter, Edwin C.
Hunter, Montgomery.
Huntington, Philip W.,
U. S. A.
Huntt, Joseph R.
Hurst, Julien H.
Hurtt, Harry.
Hutchinson, Mahlon.
Hyatt, Franck.
Hyde, Chas. W.
Hynson, Laurence M.
Ingersoll, Robert S.
Ingram, Thomas D.
Ireland, M. W., U. S. A.
Isenani, Myre S.
Israeli, Baruch.
Jack, William A., jr.
Jackson, Elmer E.
Jackson, Virgil B.
Jaisohn, Philip.
James, Charles H.
Jamison, Albion B.
Jamison, John S.
Jarvis, G. L. Brown.
Jenkins, Ralph.
Jenner, Norman R.
Jewett, Henry M.
Johnson, Albert E.
Johnson, Alexander.
Johnson, Chas. C.
Johnson, Charles R.
Johnson, Frank G.
Johnson, Henry A.
Johnson, Henry L. E.
Johnson, James A.
Johnson, James F.
Johnson, John H.
Johnson, Joseph L.
Johnson, Joseph Taber.
Johnson, Loren B. T.
Johnson, Louis A.
Johnson, Paul B. A.
Johnson, Sidney L.
Johnson, Stuart C.
Johnson, Wallace.
Johnston, Gabriel F.
Johnston, George W.
Johnston, Henry V.
Johnston, Wm. B.
Johnstone, Robert B.
Jolley, Bushrod B.
Jones, Edward Barton.
Jones, Eugene.
Jones, Glenn C.
Jones, John E.
Jones, Louise T.
Jones, Saml. A.
Jones, Thos. G.
Jones, Wm. C.
Jones, Willis Wharton.
Jordan, Arthur.
Jordan, Charles M.
Jordan, Llewellyn.
Jorgenson, Hans C.
Juhlhn, Magnus L.
Jung, Franz A. R.
Jung, Sofie A. Nordhoff.
Jungmans, John H.
Kahn, Robert J.
Kalusowski, Henry E.
Karlsruhe, Wilhelm J.
Karpeles, Simon R.
Kaufman, Harry M.
Kaveney, Joseph James.
Kean, J. R., U. S. A.
Kearney, Henry W.
Keblor, Lyman F.
Keech, Thomas A. R.
Keenan, John F.
Keene, Walter P.
Kehrer, Augustus B.
Kenneip, Edgar P.
Kelly, John T., jr.
Kelly, Daniel J.
Kemble, Adam.
Kemp, T. J.
Kempter, J. Edmond.
Kennard, G. Howard.
Kerr, Harry H.
Kerr, James.
Key, Sothoron.
Keyser, Carl S.
Kilroy, James J.
Kimball, Arthur H.
Kimball, Ephraim G.
King, Albert F. A.
King, Ernest F.
King, Harry C.
King, William R.
Kingsman, Richard.
Kinnam, William A.
Kinyoun, J. J.
Kirby, Wm. P.
Kittredge, Herman E.
Klemm, John W.
Kline, William J. K.
Kluhn, George F.
Knapp, Herbert D.
Knight, Carlisle P.
Kober, George M.
Kollpinski, Louis.
Koonce, Frank D., jr.
Koonce, Howard.
Koonces, Charles K.
Korshet, Morris.
Kramer, Thomas B.
Krechting, Wilhelm E. H.
Krogstat, Henry.
Kuehn, Fredk. W.
Kurtz, John.
La Fetra, George H.
La Fetra, Linneus E.
Lamb, Daniel S.
Lamb, Isabel Haslup.
Lamb, J. Melvin.
Lamb, Robert Scott.
Landers, Thomas.
Lane, David A.
Laney, Frank P.
Lanza, Anthony J.
Lascot, Eulalia Garcia.
Latimer, Chas. H.
Latimer, George.
Latimer, Guy W.
Latimer, Thos. E.
Lawrence, Albert L.
Lawrence, Florus F.
Lawson, Huron W.
Leadley, George W.
Lee, Adelbert H.
Lee, Frederick D.
Lee, George H.
Lee, Thacker E.
Lee, Thomas S.
Leech, D. Olin.
Leech, Frank.
Leech, Geo. A.
Lehr, Louis C.
Le Kites, Lillian Rue.
Le Merle, E. L.
Lemon, Hanson T. A.
Lemmon, Mary F.
Lenman, Loueaise N.
Lewis, Duff G.
Lewis, Geo. E.
Lewis, John L.
Lewis, Samuel E.
Lewis, William L.
Lighthill, Edward B.
Lid, E. G., jr.
Lind, John E.
Lindsey, John H.
Lindsay, J. W.
Linsville, Thomas.
Little, John J.
Little, Joseph W.
Little, Richard M.
Littlefield, John R.
Littlejohn, Alice.
Littetpage, William H.
Lloyd, Patrick H.
Lochboehler, George J.
Logan, Robert A.
Logie, Benj. R.
Long, William.
Lopp, William Henry.
Loregan, Katherine.
Loring, Francis B.
Losekam, Geo.
Lothrop, Edwin S.
Loveclae, Carl.
Lowe, Horace M.
Lowe, Thos. F.
Lozier, Kate E.
Lucas, Malchiah M.
Luce, Charles R.
Lucey, William A.
Luckett, Llewellyn F.
Lung, G. A.
Lupton, E. J. S.
Luttrell, Samuel S.
Luttrell, Walter McM.
Lynch, Robert L.
Lynd, Ernest.
Lyon, Marcus W., jr.
Lyon, Martha M. B.
McAdory, Robt. J.
McArdle, Thomas E.
McConnor, G. H.
McCord, Harry Stanton.
McCormick, John H.
McCornack, Daniel P.
McDonald, Paul E.
McDonald, Thomas B.
McDuffie, Jos. A.
McGee, Anita N.
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McGrath, Bernard F.
McGuire, James C.
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McIlhenry, Jas. S.
McIntyre, Andrew J.
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McKay, James G.
McKee, William P.
McKeenan, George H.
McKeldin, R. A. W.
McKeon, Frank H.
McKinnite, Oscar A. M.
McKnight, Robt. S.
McLaughlin, Thos. N.
McLoughlin, George N.
McManus, Geo. R.
McMaster, A. McF.
McMillan, Samuel M.
McNally, Valentine.
McNeill, Eaton K.
McNeill, William C.
McPherson, Dorsey M.
McQuillan, Francis.
McVary, Stephen A.
Macatee, Henry C.
MacDonald, George.
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Marble, Ella M. S.
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Marmion, W. V.
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Marshall, E. R., U. S. N.
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 Murray, J. Donaldson.
 Murray, T. Morris.
 Murrell, Edward H.
 Musgrave, Percy.
 Nagle, Patrick E.
 Napper, Walter P.
 Nash, Francis S.
 Neal, J. H.
 Neale, John S.
 Neale, Richard A.
 Neff, Wallace.
 Neill, Thos. E.
 Nelson, H. T., jr., U. S. N.
 Nelson, J. Edward.
 Nesmith, Francis M.
 Nevitt, James R.
 Newberne, Robt. E. L.
 Newell, William M.
 Newell, William S.
 Newgarden, Geo. J., U. S. A.
 Newman, Henry M.
 Newton, Carrie E.
 Nichols, Fenton Mercer.
 Nichols, John B.
 Nicholson, Leonard S.
 Norcom, Henderson S.
 Nordhoff-Jung, Sofie A.
 Norcross, Alfred C.
 Norman, Francis A.
 Norris, John L.
 Norris, Phebe R.
 Norton, Edwin H.
 Norton, Rupert.
 Norwood, John C.
 Nowlin, Homer E.
 Nutting, Hugh.
 Ober, George C.
 O'Brien, Emilie Y.
 O'Connell, Jeffery C.
 O'Conner, Charles E.
 O'Donoghue, Jno. A.
 Oertel, Theodore E.
 Ogen, David M.
 Olds, William J.
 Olesen, Robert Henry.
 O'Malley, Mary.
 Ong, Henry A.
 O'Reilly, Thomas.
 Outlaw, John S.
 Owens, Saml. Logan.
 Owens, W. O., U. S. A., retired.
 Owsley, William T.
 Page, Wm. M.
 Page, William R.
 Park, Francis E.
 Parker, Edward M.
 Parker, Henry P.
 Parker, Joseph M.
 Parkinson, Bernard A.
 Parrott, Richard L.
 Parsells, Chas. W.
 Parsons, Alfred V.
 Parsons, Mary A.
 Parsons, Starr.
 Patten, Wm. F.
 Patterson, Edwin W.
 Peck, Luke B.
 Pence, Charles W.
 Penrod, Hiram J.
 Penrose, Clement A.
 Percival, Francis R.
 Perkins, Louis J.
 Perkins, Robt. W.
 Perkins, Thomas L.
 Perry, George N.
 Peterson, Bowman H.
 Peterson, George.
 Pettes, Charles V.
 Pettus, W. J., U. S. M. H. S.
 Pfender, Charles A.
 Phelps, Wilbur M.
 Phelps, William P.
 Philes, Wm. E.
 Phillips, Francis M.
 Phillips, Walter F.
 Phillips, William F. R.
 Pickford, Edward F.
 Pickrell, Geo., U. S. N.
 Pierre, Samuel M.
 Piggott, John Burr.
 Pile, Mayne M.
 Pipes, Henry F.
 Pitznogle, J. E.
 Pleadwell, F. L., U. S. N.
 Pole, Samuel B.
 Polkinhorn, Henry A.
 Pool, Benjamin G.
 Poole, Francis H.
 Porter, Herbert W.
 Porter, James A.
 Portman, Adeline E.
 Postley, Charles E.
 Potter, Margaret S.
 Poulton, William E.
 Power, E. M.
 Prather, John W.
 Pratt, Alexis L.
 Pratt, John P.
 Prentiss, Daniel W.
 Prentiss, Elliott C.
 Prewitt, George T.
 Price, Abel F., U. S. N.
 Price, Harry M.
 Price, Malvern H.
 Price, P. Willis.
 Price, William K.
 Prosperi, Milton H.
 Pryor, James C., U. S. N.
 Pulliam, John M.
 Pulsifer, Woodbury.
 Purdy, Obadiah A.
 Purman, J. J.
 Purman, Lewis C.
 Purman, Rose M.
 Purnell, William W.
 Purvis, Charles B.
 Pyles, J. Chester.
 Pyles, Richard A.
 Pyles, Wm. L.
 Quay, John B.
 Quick, Tunis C.
 Quinn, William A.
 Quivey, William L.
 Ragan, Charles A.
 Ramsburgh, Jesse.
 Rand, William H.
 Randolph, B. M.
 Ransdell, R. C.
 Ransom, Stacy A.
 Rauterberg, Arthur C.
 Rauterberg, Lewis E.
 Ravenburg, Rudolph.
 Ray, Anthony M.
 Raymond, John U.
 Ready, Michael J.
 Rector, Frank L.
 Reed, Chas. E.
 Reed, D. H.
 Reed, Joseph O.
 Reede, E. H.
 Reeve, Delos N.
 Reeve, Jesse N.
 Reeves, Will H.
 Reeves, Wm. P.
 Reger, Harry S.
 Reichelderfer, Luther H.
 Reid, Eva Charlotte.
 Reinhardt, Otto M.
 Reis, Henry, jr.
 Reisinger, Emory W.
 Rench, Victor B.
 Repetti, Fred.
 Repetti, Frederick F.
 Repetti, John J.
 Reville, Laura M.
 Reyburn, Ella F.
 Reyburn, Eugenia.
 Reyburn, Robert, jr.
 Reynard, Walter.
 Reynolds, Fred P., U. S. A.
 Rhett, Henry J.
 Rich, Frank R.
 Richards, Alfred.
 Richards, Nancy D.
 Richardson, Charles W.
 Richardson, Edward E.
 Richardson, George H.
 Richardson, Gustavus A.
 Richardson, James J.
 Richey, Stephen O.
 Richmond, Paul.
 Ridgeley, Albert.
 Riegel, William A. L.
 Riggs, D. H.
 Riley, Phil C.
 Riley, Terrence G.
 Rives, William C.
 Roane, James.
 Robbins, Ansel J.
 Robbins, Chas. S.
 Robbins, Henry A.
 Roberts, Edwin E.
 Roberts, Robert R.
 Roberts, William.
 Robins, William L.
 Robinson, Thomas.
 Robnett, A. Hamilton.
 Rogers, J. D.
 Rollings, Harry W.
 Romaine, Frank W.
 Roman, Frederick O.
 Rosenau, M. J., P. H. and M. H. S.
 Ross, Louise.
 Rossiter, Thomas J.
 Roush, Alva S.
 Roy, Philip S.
 Ruble, Wells A.
 Ruedy, Robert C.
 Ruffin, Geo. M.
 Ruffin, Sterling.
 Rule, Amy J.
 Russell, F. F., U. S. A.
 Russell, Howard C.
 Russell, Murray A.
 Rutherford, Jesse B.
 Sacks, Samuel.
 Saffold, Guy Stark.
 Safford, James P.
 Sage, John B.
 St. Clair, Francis A.
 St. Clair, Francis O.
 Samson, Geo. C.
 Sappington, Ernest F.
 Savage, Linnaeus S.
 Sawyer, John F.
 Sawtelle, Henry F.
 Schaeffer, Edward M.
 Schelksohn, Otto W.
 Schildroth, Henry T.
 Schmidt, Lawrence M. U. S. N.
 Schneider, Edwin C.
 Schneider, Francis A.
 Schoonover, Robert A.
 Schreiber, Henry R.
 Schreiner, E. R., U. S. N.
 Schricker, Walter F.
 Schwartz, Grover C.
 Scott, James F.
 Scott, Sidney L.
 Scott, William K.
 Sourlock, Herbert C.
 Seabrook, Jesse M.
 Selbert, Edward G.
 Seltz, Roy E.
 Selhausen, Harry A.
 Sellhausen, Ernest A.
 Sellman, John P., jr.
 Selzer, Henry H.
 Sessford, Joseph S. F.
 Sewell, Charles A.
 Sewell, Richard G.
 Shade, Nevin B.
 Shands, Aurelius R.
 Sharp, John R.
 Shaw, John W.
 Shea, William E.
 Shearer, Juliet G.
 Sheep, Wm. Lloyd.
 Shekell, Abraham.
 Shelley, Albert.
 Shepard, Jackson B.
 Shirley, John J.
 Shoup, Jesse.
 Shute, Augusta P.
 Shute, Daniel K.
 Sillers, Robert F.
 Silvers, H. I.
 Simmons, Alice M. B.
 Simmons, Maynard J.
 Simmons, Sherod S.
 Simonton, Laurence J.
 Simpson, Charles A.
 Simpson, Edward P.
 Simpson, Geo. F.
 Simpson, John C.
 Sims, William E.
 Skinner, J. O., U. S. A.
 Slattery, John J.
 Slaughter, B. Rosalie.
 Smart, Benjamin H.
 Smart, Robt., U. S. A.
 Smith, C. A.
 Smith, Chas. Gordon.
 Smith, Dwight G.
 Smith, Ernest W.
 Smith, Frank F.
 Smith, George W.
 Smith, Hugh M.
 Smith, John E.
 Smith, John J. H.
 Smith, Joseph A.
 Smith, Julia E.
 Smith, Leon J.
 Smith, Percy G.
 Smith, Peter M.
 Smith, Thomas C.
 Smith, Thos. F.
 Snowden, Arthur.
 Snowden, Edgar.
 Snyder, Arthur A.
 Sohon, Elizabeth.
 Sohon, Frederick.
 Sommer, Henry Ott.
 Sorrell, George R.
 Sothoron, Elmer.

Sothoron, Levin J.
 Souter, William N.
 Sowers, Wm. F.
 Sowers, Zachariah T.
 Spear, Raymond, U. S. N.
 Speiden, Edgar.
 Spellman, Frank J.
 Spencer, John B.
 Spire, Richard Lee.
 Sprigg, William M.
 Squire, Linus T.
 Squire, Susanna J.
 Staples, Aubrey H.
 Stark, A. N., U. S. A.
 Starr, Emma M. C.
 Stavely, Albert L.
 Stearns, John S.
 Stearns, J. Warren.
 Stearns, Solomon S.
 Steltz, P. H., jr.
 Stephenson, Eugene T.
 Sterne, Charles F.
 Stetson, Thomas.
 Stevens, Albert H.
 Stevens, Edward.
 Stevens, Henry C.
 Stevenson, Earle C.
 Stewart, John W.
 Stewart, William A.
 Stiles, George W., jr.
 Stiles, Henry R., U. S. A.
 Stoddard, Leroy R.
 Stone, Charles G.
 Stone, E. P., U. S. N.
 Stone, Isaac S.
 Stone, James H.
 Stoneroad, Rebecca.
 Story, James J.
 Story, Leon E.
 Stout, Henry I.
 Stoutenburgh, John A.
 Stowell, Charles H.
 Street, Daniel B.
 Street, Daniel B., jr.
 Street, Harlow R.
 Strickler, Melchior B.
 Strobel, Mary L.
 Stromberger, H. H.
 Stuart, Albert R.
 Stuart, Garden C.
 Stuart, James.
 Stutz, John A.
 Suddarth, James L.
 Sudler, Oden R.
 Sudler, Thomas.
 Sullivan, Timothy Joseph.
 Sullivan, Robert Y.
 Sullivan, Welbie L.
 Sult, Chas. W.
 Summy, Benn W.
 Suter, Henderson.
 Suter, W. Given.
 Sutherin, John W.
 Sutliff, Milo H.
 Sutton, Dallas G.
 Swain, Benj. H.
 Swain, Oliver A. T.
 Swartwout, Frank A.
 Swett, Fred K.
 Swormstedt, Lyman B.
 Syme, William H.
 Talbott, John Allan, jr.
 Tancil, Arthur W.
 Tappan, Joseph C.
 Tasker, Arthur N.
 Tastet, David W.
 Tayloe, Harry M.
 Taylor, Alfred H.
 Taylor, L. H.
 Taylor, Thomas.
 Tefft, Frederick O.
 Terry, Philip R.
 Test, Frederick C.
 Tewksbury, Wm. D.
 Thomas, Ada R.
 Thomas, Carrie H.
 Thomas, John D.
 Thompkins, William J.
 Thompson, Edgar D.
 Thompson, Henry P. P.
 Thompson, J. Ford.
 Thompson, J. Lawn.
 Thompson, Lewis R.
 Thompson, Millard F.
 Thompson, Silas S.
 Thonssen, William J. R.
 Tignor, Chas. A.
 Tignor, William L.
 Tindall, Percy A.
 Tobias, Henry W.
 Tobin, Richard Francis.
 Tolson, Wm. A.
 Tomlin, Timothy H.
 Tompkins, Edmund L.
 Tompkins, George J.
 Toner, John E.
 Townner, Frank H.
 Trimble, Robt. S.
 Trow, Walter G.
 Trudgian, Josiah B.
 Tubman, James R.
 Tucker, William P.
 Turner, Molyneaux.
 Turton, Wm. E.
 Twogood, Merton E.
 Tyler, Robert B.
 Ulmer, Charles A.
 Upham, William C.
 Upshaw, Thomas L.
 Vail, Wm. C.
 Vale, Frank P.
 Valentine, Aloysius W.
 Van Keuren, Jesse P.
 Van Rensselaer, John.
 Vaughan, Geo. T.
 Verbrycke, J. Russell.
 Vincent, Thomas N.
 Von Ezdorf, Rudolph H.
 Wagner, Henry G.
 Wagner, Robert A.
 Wagner, William F.
 Walker, Abbott R.
 Walker, Allen.
 Walker, C. C.
 Walker, James T.
 Walker, Lewis A.
 Walker, Mary E.
 Walker, Robert A.
 Walker, R. R.
 Wall, Joseph S.
 Wallace, C. Jaquius.
 Wallace, Clifton R.
 Walsh, Ferdinand C.
 Walsh, John E.
 Walsh, Ralph.
 Walter, Leroy D.
 Ward, William F.
 Ward, Samuel A.
 Ward, William K.
 Warfield, William A.
 Waring, James H. N.
 Waring, J. B. H.
 Warman, William H. H.
 Warner, Carden F.
 Warner, Richard A.
 Warren, Benj. S.
 Warren, George W.
 Warren, Stanley S.
 Washburn, William S.
 Washington, Richard.
 Waters, Chas. H.
 Waters, Chas. L.
 Watkins, Edgar W.
 Watkins, Samuel E.
 Watkins, Victor E.
 Watson, Charles L.
 Watson, James A.
 Weaver, Clarence A.
 Webb, Daniel A.
 Webb, Frank R.
 Webb, Newton E.
 Webster, Lenore P.
 Wechsler, Benj. B.
 Weiler, Geo. L.
 Wellington, John R.
 Wells, Charles A.
 Wells, Walter A.
 Wells, Wm. A., jr.
 Wenger, Wm. H.
 Werber, Gustavus E.
 Wertenbaker, Clark I.
 West, Charles I.
 West, John H.
 West, Richard T.
 West, William E.
 Westlake, John A.
 Wetmore, William O.
 Wharton, John J., jr.
 White, Charles S.
 White, Ellen P. C.
 Whitney, Charles F.
 Whitney, Lawrence.
 Whitney, Walter.
 Whitson, Wm. Essex.
 Whittington, Thos. A.
 Wiber, David E.
 Wilder, James R.
 Wiley, Clarence C.
 Wilkinson, Alfred D.
 Wilkinson, Oscar.
 Wilkinson, Walter W.
 Willis, John M.
 Willets, David G.
 Williams, Daniel H.
 Williams, Greene D.
 Williams, H. J.
 Williams, J. Buxton, jr.
 Williams, Tom A.
 Williams, Welton C.
 Williston, Edward D.
 Willson, Prentiss.
 Wilmer, William H.
 Wilson, Edmund C. A.
 Wilson, Edward C.
 Wilson, Lewes D.
 Wilson, Wm. H.
 Wimberly, Geo. W.
 Wingate, D. M.
 Winslow, John R.
 Winter, Eugene C. C.
 Wirt, Wm. D.
 Wolfe, Edwin P.
 Wolfe, James T.
 Wood, Amos D.
 Wood, George W.
 Woode, Charles H.
 Woodman, Francis J.
 Woodward, H. Wells.
 Woodward, James S.,
 U. S. N.
 Woodward, William C.
 Woollen, L. J.
 Wooster, Mary L.
 Wooster, Walter M.
 Wright, Clarence A.
 Wright, George H.
 Wright, Hamilton K.
 Wright, Wilbur L.
 Wurdemann, H. V.
 Wyeth, Marlborough C.,
 U. S. A.
 Wynkoop, James C.
 Yarnall, John H.
 Yarrow, Henry C.
 Yates, Frederick.
 Young, Clement C.
 Young, Glendie B.
 Young, Wm. G.
 Yount, Clarence E.
 Zimmerman, Charles St. V.

APPENDIX G.

VITAL STATISTICS.

SIR: I have the honor to submit herewith an analysis of the vital statistics of the District of Columbia for the calendar year 1908, together with certain tables bearing thereon.

Statistics of births and deaths in a community are of little value unless the calculations are based upon accurate enumeration of population and its correct classification according to age, sex, occupation, etc. The figures used in the tables which follow are based upon the census taken under the direction of the superintendent of police on April 8, 1908, and are presumably more nearly complete and accurate than estimated figures, the basis of which is the federal enumeration of 1900.

The police census showed a total population in the District of Columbia of 339,403. The whites number 241,920, and the colored 97,483, the latter representing only those of African descent. This indicates a total increase since the last enumeration of 9,812. The increase in the white population 8,517, and that of the colored race 1,295.

The following is a summary of the population arranged by age and sex:

Police census April 8, 1908.

	White.	Colored.	Total.
AGE.			
Under 1 year.....	4,621	1,944	6,565
1 to 4 years, inclusive.....	16,101	6,971	23,072
5 to 20 years, inclusive.....	55,518	23,147	78,665
21 years and over.....	165,680	65,421	231,101
Total.....	241,920	97,483	339,403
SEX.			
Males.....	117,063	44,276	161,339
Females.....	124,857	53,207	178,064
Total.....	241,920	97,483	339,403

GENERAL MORTALITY.

The deaths from all causes in the District of Columbia during the calendar year 1908 numbered 6,136, which indicates a general death rate for the entire District of 18.079 per 1,000 inhabitants. This is a gratifyingly lower rate than for 1907, and is also the lowest record for any one year in the history of the health department. The number of white deaths was 3,547 and the number of colored deaths 2,589. The former represents a death rate for the white race of 14.662, the latter a race death rate of 26.558 per 1,000.

The great contrast in this community between the white and colored race death rates can not fail to attract attention, and the question arises as to the causes of this wide variance. Generally speaking, the conditions of city life are unfitted for the colored race. The tendency to overcrowding predominates among the colored and this tendency naturally increases the risk from impure air, leads to general insanitary conditions, and to the spreading of infectious diseases. Under these conditions infantile mortality becomes excessive. Tuberculosis and pneumonia are among the greatest factors in increasing the colored death rate.

MORTALITY, BY SEX.

The following statement shows the rates for males and for females during the calendar year 1908:

Sex and race.	Popula- tion.	Deaths.	Death rate per 1,000.
Males:			
White.....	117,063	2,008	17.15
Colored.....	44,276	1,286	29.05
All.....	161,339	3,294	20.42
Females:			
White.....	124,857	1,539	12.33
Colored.....	53,207	1,303	24.48
All.....	178,064	2,842	15.96

By a comparison of these rates with the previous year it will be noticed that the death rate of the white males is considerably decreased and a corresponding increase is observed among the white female population. On the contrary, a decline is noticed in both sexes of the colored race taken separately. The males of both races taken together show a net decline, but there is an increased death rate among the female population, taken as a whole.

MORTALITY IN RELATION TO AGE.

The average age of all decedents during 1908 was 38 years, 7 months, and 2 days. This shows a little less than 2 months younger age at death than for the preceding year. The white decedents' average age was 44 years, 6 months, and 7 days; about 4 months younger than for 1907. The average age of the white males was 44 years, 1 month, 10 days, and that of the white females 45 years, 19 days. The former decedents were 3 months older than in 1907 and the latter 1 year and 1 month younger. The average age of the colored males was 30 years, 4 months, 23 days and shows a decreased age at death of 5 months. The colored female decedents' average age during 1908 was 30 years, 6 months, 8 days, an increased age of a little over 3 months. The average age of the colored race, as a whole, was 30 years, 5 months, 16 days, or about 1 month younger than the average age for last year.

Comparative statement of average age of decedents, distributed with reference to race and sex, during 1907-8.

Race.	Male.			Female.			All.		
	Years.	Months	Days.	Years.	Months	Days.	Years.	Months	Days.
White:									
1907.....	43	10	10	46	1	19	44	10	14
1908.....	44	1	10	45	.....	19	44	6	7
Colored:									
1907.....	30	9	23	30	3	3	30	6	14
1908.....	30	4	23	30	6	8	30	5	16

The number of decedents 70 years of age and over decreased from 1,031 in 1907 to 994 during 1908. The largest mortality during any one decade of those over 10 years of age occurred between the ages of 60 and 70 years, as was the case in 1907, during which period there were 808 deaths.

MORTALITY BY AGE PERIODS.

The relative death rates of the white and of the colored races in 1907 and 1908, arranged with reference to the age of decedents, are shown in the following table. The results noted are calculated upon the number of persons living at the respective ages stated.

Age period.	1907.			1908.		
	White.	Colored.	Total.	White.	Colored.	Total.
Under 1 year.....	121.83	300.34	179.77	114.91	292.69	167.55
1 to 4 years.....	10.37	30.90	16.73	9.13	27.39	14.65
5 to 20 years.....	3.19	10.29	5.31	2.74	10.45	5.01
21 years and over.....	17.47	25.79	19.86	16.39	24.26	18.62

Improved conditions over 1907 are shown in both races and for all of the age periods with the single exception of the colored race at the ages of 5 to 20 years, where a slight increase in the death rate for 1908 is observed.

INFANTILE MORTALITY.

Infantile mortality within certain limits indicates the general sanitary condition of a community, and should be calculated upon the ratio of the annual number of deaths of infants under 1 year of age to every 1,000 births during the same year. An absolute infantile death rate upon this basis can not, however, be ascertained because of the incomplete registration of births, but an approximate result is obtained from an examination of the following tabular statement of the death rate of infants based upon the number of reported births, which may be estimated at from about 93 to 95 per cent of the total number born:

	White.	Colored.	All.
Births reported in 1908.....	4,835	2,205	7,040
Deaths under 1 year of age during 1908.....	531	569	1,100
Death rate of children under 1 year of age, based on reported births.....	109.82	258.05	156.25

The above shows an improved condition since 1907, both in the increased registration of births and in the diminished number of infantile deaths.

The following list of diseases most prominent during 1908 in the production of infantile mortality, the number of deaths due to each, the death rate per 1,000 of reported births, and the death rate per 1,000 deaths at all ages, is noteworthy:

Causes of death.	Number of deaths.	Death rate per 1,000 reported births.	Death rate per 1,000 deaths at all ages.
Congenital debility, marasmus, inanition.....	189	26.84	30.80
Prematurity.....	202	28.69	32.92
Malformations, congenital.....	25	3.55	4.16
Convulsions and tetanus neonatorum.....	30	4.26	4.89
Diarrhea and enteritis.....	300	42.61	48.89
Bronchitis.....	48	6.82	7.82
Pneumonia.....	124	17.61	20.21
Whooping cough.....	17	2.41	2.77
Tubercular meningitis.....	9	1.28	1.47
Accidents and negligence.....	14	1.99	2.28

Prematurity and congenital debility and defects are prominent in this list, and these deaths are largely influenced by the conditions of health under which the mother lives during the period of utero-gestation. Poverty and hardship greatly weaken the vitality of the offspring. Inexperience also increases infantile mortality. Neglect also contributes to the death rate of infants, but in some instances, where the mothers are engaged in various occupations as part or principal breadwinner, this cause may not be avoided. Illegitimacy is another factor in the causation of infantile mortality, and enteric troubles, perhaps the most prolific cause of early death, is largely due to lack of proper food, sanitary surroundings, and fresh, pure air.

The following statement of the percentage of children who died during the calendar year 1908 to the total number of deaths under 1 year of age, arranged according to race and by certain age periods, shows, as a rule, a decreased liability to death with each additional month of life.

Age.	White.		Colored.		Total.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1 day to 1 month.....	237	44.63	166	29.17	403	36.64
1 month to 2 months.....	45	8.47	51	8.96	96	8.73
2 to 3 months.....	36	6.78	57	10.02	93	8.45
3 to 4 months.....	35	6.59	48	8.44	83	7.54
4 to 5 months.....	42	7.91	42	7.38	84	7.64
5 to 6 months.....	31	5.84	52	9.14	83	7.55
6 to 7 months.....	28	5.27	39	6.85	67	6.09
7 to 8 months.....	16	3.01	21	3.69	37	3.36
8 to 9 months.....	18	3.39	29	5.10	47	4.27
9 to 10 months.....	16	3.03	19	3.34	35	3.18
10 to 11 months.....	12	2.26	22	3.87	34	3.09
11 to 12 months.....	15	2.82	23	4.04	38	3.46
Total.....	531	100.00	569	100.00	1,100	100.00

The number of deaths of infants under 1 year of age and under 5 years of age for the past ten years is seen in the following table, together with the number of births reported during each of the years mentioned:

Year.	White.			Colored.			Total.		
	Births.	Decedents under 1 year.	Decedents under 5 years.	Births.	Decedents under 1 year.	Decedents under 5 years.	Births.	Decedents under 1 year.	Decedents under 5 years.
1899.....	2,623	537	796	1,737	729	1,024	4,360	1,266	1,820
1900.....	2,901	612	821	1,867	732	1,036	4,768	1,344	1,857
1901.....	2,620	542	743	1,735	692	934	4,355	1,234	1,677
1902.....	3,086	520	679	1,846	715	959	4,932	1,235	1,638
1903.....	3,307	513	674	1,817	579	833	5,124	1,092	1,507
1904.....	3,994	520	698	2,224	608	834	6,218	1,128	1,552
1905.....	4,140	482	640	2,275	657	923	6,415	1,139	1,563
1906.....	4,330	572	730	2,199	661	876	6,529	1,233	1,606
1907.....	4,551	515	670	2,322	610	825	6,873	1,125	1,495
1908.....	4,835	531	678	2,205	569	760	7,040	1,100	1,438

The average daily mortality, by months, arranged with reference to race and age of decedents, during the calendar year 1908, follows:

Month.	Under 1 year.			1 to 4 years, inclusive.			5 years and over.			All ages.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
January.....	1.42	1.10	2.52	0.55	0.65	1.20	9.87	5.94	15.81	11.84	7.68	19.52
February.....	1.18	1.71	2.89	.68	.68	1.38	9.71	5.54	15.25	11.57	7.93	19.50
March.....	1.64	2.06	3.70	.26	.84	1.10	9.00	5.90	14.90	10.90	8.81	19.71
April.....	.97	1.36	2.33	.40	.37	.77	7.63	6.13	13.76	9.00	7.87	16.87
May.....	1.10	1.20	2.30	.48	.58	1.06	7.52	5.32	12.84	9.06	7.06	16.12
June.....	1.90	2.13	4.03	.37	.47	.84	7.20	4.33	11.53	9.47	6.93	16.40
July.....	3.03	2.71	5.74	.58	.81	1.39	6.61	5.23	11.84	10.23	8.74	18.97
August.....	1.64	1.84	3.48	.29	.52	.81	5.94	4.10	10.04	7.87	6.45	14.32
September.....	1.40	.97	2.37	.27	.33	.60	7.13	3.93	11.06	8.80	5.23	14.03
October.....	.90	1.32	2.22	.23	.32	.55	7.74	4.71	12.45	8.87	6.35	15.22
November.....	1.20	1.23	2.43	.33	.27	.60	8.27	4.43	12.70	9.80	5.93	15.73
December.....	1.06	1.10	2.16	.42	.45	.87	7.84	4.58	12.42	9.32	6.13	15.45
Total.....	1.45	1.56	3.01	.41	.52	.93	7.87	5.01	12.88	9.73	7.09	16.82

From the above statement, the month of July appears to have been the most fatal in its daily average for infants at the age of from birth to 4 years, inclusive. For those over 5 years of age, the month of January has the highest daily average of deaths, while March holds the highest daily average of the year for decedents of all ages.

The relative mortality in 1907 and 1908, arranged with reference to age of decedents generally and of the white and of the colored races separately, may be seen in the following table:

	White.			Colored.			All.		
	1907.	1908.	Increase (+) or decrease (-).	1907.	1908.	Increase (+) or decrease (-).	1907.	1908.	Increase (+) or decrease (-).
Under 1 year.....	515	531	+16	610	569	- 41	1,125	1,100	- 25
1 year.....	96	72	-24	119	99	- 20	215	171	- 44
2 years.....	29	37	+ 8	40	43	+ 3	69	80	+ 11
3 years.....	12	18	+ 6	30	29	- 1	42	47	+ 5
4 years.....	18	20	+ 2	26	20	- 6	44	40	- 4
5 to 9 years.....	60	41	-19	55	62	+ 7	115	103	- 12
10 to 19 years.....	108	97	-11	152	159	+ 7	260	256	- 4
20 to 29 years.....	259	248	-11	339	325	- 14	598	573	- 25
30 to 39 years.....	338	303	-35	308	323	+ 15	646	626	- 20
40 to 49 years.....	352	367	+15	292	279	- 13	644	646	+ 2
50 to 59 years.....	394	423	+29	289	269	- 20	683	692	.....
60 to 69 years.....	615	601	-14	256	207	- 49	871	808	- 63
70 to 79 years.....	542	502	-40	121	121	.....	663	623	- 40
80 to 89 years.....	250	260	+10	52	60	+ 8	302	320	+ 18
90 and over.....	41	27	-14	25	24	- 1	66	51	- 15
Total.....	3,629	3,547	-82	2,714	2,589	-125	6,343	6,136	-207

MORTALITY WITH RESPECT TO LOCATION.

The health officer some four or five years ago subdivided the District of Columbia into certain more or less arbitrarily established statistical sections with a view to ascertaining the wholesomeness or otherwise of each section, but more particularly with respect to the comparative death rate of alley residents as distinguished from street residents. In the distribution of this mortality with respect to the place of death, it has been assumed that deaths occurring in hospitals and other public institutions were more properly chargeable to that section in which the decedents actually resided and not to that section in which the hospital was situated. This plan, therefore, has, in so far as possible, been adhered to in the following distribution.

A map accompanying this report shows the death rates per 1,000 inhabitants of the white and colored races, and the general death rate of each vital-statistics district. The populations upon which these rates are based and the actual number of deaths in each section are stated in full in Table 7a. The following table shows the death rates for the calendar year 1908, for the streets and alleys, arranged as to certain age periods and by race:

Age.	Death rate.					
	White.		Colored.		Total.	
	Alley.	Street.	Alley.	Street.	Alley.	Street.
Under 1 year.....	209.68	113.62	301.58	290.55	288.64	158.86
1 to 4 years.....	.....	9.23	36.54	25.22	32.21	13.41
5 to 20 years.....	5.11	2.72	12.08	10.16	11.39	4.67
21 years and over.....	13.20	16.42	27.63	23.72	26.20	18.28
All ages.....	17.30	14.64	31.86	25.65	30.38	17.48

From the preceding statement it will be observed that the alley death rates taken as a whole, and for all the mentioned age periods, are universally higher than the street deaths. This is also the case with respect to the colored race. With the white race, however, this condition prevails only at the ages of under 1 year and from 5 to 20 years, while the figures for the ages of 1 to 4 years and for 21 years and over would seem to indicate a more salubrious condition with respect to alley environment. At the same time it must be noted that among the white population the death rate for all ages is higher in alleys than in streets.

For a detailed statement of deaths and death rates of the separate vital-statistics districts for both races, attention is called to Table 7b, of the Appendix. The distribution of populations and deaths by vital-statistics districts, arranged by streets and alleys and according to age periods and by race, is set down in Table 7c of the Appendix. Table 7d of the Appendix shows a full list of the alleys in which deaths occurred during 1908, arranged according to age and according to vital-statistics districts.

The following statement shows the comparison of death rates between streets and alleys with respect to certain specified diseases, and classified according to race:

	Death rate per 100,000.			
	White.		Colored.	
	Streets.	Alleys.	Streets.	Alleys.
Diphtheria.....	6.2	.....	7.2	7.0
Scarlet fever.....	3.3	.....	1.2	.....
Typhoid fever.....	36.6	.....	39.6	21.1
Whooping cough.....	3.7	.....	27.6	42.2
Diarrhea (under 2 years).....	64.1	247.2	157.3	309.5
Pneumonia.....	94.9	123.6	258.2	422.0
Bronchitis.....	23.3	61.8	66.1	84.4
Pulmonary congestion.....	10.8	.....	18.0	14.1
Pulmonary tuberculosis.....	124.8	61.8	383.1	640.1

The names of alleys where deaths occurred during the calendar year 1908, the number of deaths in each alley from certain contagious and other diseases, arranged according to race and vital-statistics districts, may be seen by reference to Table 7e of the Appendix.

MORTALITY WITH REFERENCE TO NATIVITY OF DECEDENTS.

There were 41 less deaths in the District of Columbia in 1908 among those persons who were natives of the District of Columbia than in 1907. Among the residents of the District born in other parts of the United States there was a decrease of 65 whites and 145 colored as compared with the previous year.

The deaths among foreign-born population show a decrease of 5 with the whites and a corresponding increase in the colored. A detailed statement follows, of the relative mortality in 1907 and 1908, with reference to nativity.

Relative mortality, 1907 and 1908, with respect to nativity.

Nativity.	1907.	1908.	Increase (+) or de- crease (-).
District of Columbia:			
White males.....	664	694	+ 30
White females.....	595	537	- 58
Total.....	1,259	1,231	- 28
Colored males.....	621	600	- 21
Colored females.....	617	625	+ 8
Total.....	1,238	1,225	- 13
Other parts of United States:			
White males.....	918	860	- 58
White females.....	748	741	- 7
Total.....	1,666	1,601	- 65
Colored males.....	718	629	- 89
Colored females.....	693	637	- 56
Total.....	1,411	1,266	-145
Foreign:			
White males.....	395	393	- 2
White females.....	243	240	- 3
Total.....	638	633	- 5
Colored males.....	3	4	+ 1
Colored females.....		4	+ 4
Total.....	3	8	+ 5
Unknown:			
White males.....	42	61	+ 19
White females.....	24	21	- 3
Total.....	66	82	+ 16
Colored males.....	36	53	+ 17
Colored females.....	26	37	+ 11
Total.....	62	90	+ 28
Grand total.....	6,343	6,136	-207

A classification follows of deaths during 1908, according to certain defined groups of diseases, and arranged with reference to race and sex. For more detailed information concerning specific diseases comprised in these various groups, the number of deaths, etc., reference is invited to the statistical tables of the appendix.

Disease group.	Deaths.						
	White.		Colored.		Total.		
	Male.	Female.	Male.	Female.	White.	Colored.	All.
General diseases.....	483	437	363	400	920	763	1,683
Diseases of nervous system.....	224	141	97	108	365	205	570
Diseases of circulatory system.....	270	197	129	123	467	252	719
Diseases of respiratory system.....	179	168	203	195	347	398	745
Diseases of digestive system.....	221	185	152	179	406	331	737
Diseases of genito-urinary system.....	228	136	98	106	364	204	568
Puerperal condition.....		24		31	24	31	55
Diseases of skin, etc.....	9	4	5	5	13	10	23
Diseases of organs of locomotion.....	3	6	8	5	9	13	22
Malformations.....	16	9	2	1	25	3	28
Infancy.....	110	75	83	57	185	140	325
Old age.....	60	76	31	34	136	65	201
Violence.....	182	61	94	33	243	127	370
Ill defined.....	23	20	21	26	43	47	90
Total.....	2,008	1,539	1,286	1,303	3,547	2,589	6,136

Relative mortality in 1907 and 1908, with respect to certain disease groups

Disease group.	Deaths.					
	White.		Colored.		Total.	
	1907.	1908.	1907.	1908.	1907.	1908.
General diseases.....	941	920	741	763	1,682	1,683
Diseases of nervous system.....	412	365	228	205	640	570
Diseases of circulatory system.....	487	467	304	252	791	719
Diseases of respiratory system.....	368	347	448	398	816	745
Diseases of digestive system.....	411	406	345	331	756	737
Diseases of genito-urinary system.....	333	364	203	204	536	568
Puerperal condition.....	24	24	24	31	48	55
Diseases of skin, etc.....	13	13	10	10	23	23
Diseases of organs of locomotion.....	4	9	5	13	9	22
Malformations.....	17	25	3	3	20	28
Infancy.....	197	185	168	140	365	325
Old age.....	147	136	60	65	207	201
Violence.....	220	243	128	127	348	370
Ill defined.....	55	43	47	47	102	90
Total.....	3,629	3,547	2,714	2,589	6,343	6,136

As may be seen from the immediately preceding table, during 1908 there were 70 less deaths from diseases of the nervous system, 72 less deaths from diseases of the circulatory system, 71 less deaths from diseases of the respiratory system, 19 less from diseases of the digestive system, 40 less from diseases peculiar to infancy, 6 less from diseases attendant upon old age, and 12 less from ill-defined diseases. On the other hand, there was an increase of 1 in the number of deaths from the general disease group; from diseases of the genito-urinary system there was an increase of 32 over 1907, an increase of 7 due to deaths incident to the puerperal state, 13 more deaths due to diseases of the organs of locomotion, 8 more deaths due to congenital malformations, and 22 more violent deaths than occurred in 1907.

MORTALITY IN ITS RELATION TO PARTICULAR DISEASES.

Pulmonary tuberculosis, which is so much in evidence because of its widespread prevalence and its large percentage of deaths, shows an improvement over the past year's record, as is indicated by the reduction of the general death rate from 2.269 per 1,000 to 2.095. The decline in the white race death rate was from 1.371 to 1.244, and in the colored race from 4.450 to 4.206.

During the past thirty-one years there has been a great improvement in both races with respect to tuberculosis, and, although the percentage of diminution in the death rates has not always been constant from one year to another, the net gain has been consistent and gradual, particularly during the past ten years. Better knowledge of the character of the disease, improved methods of care and treatment, a more general and intelligent understanding of what is necessary to be done and what to avoid by those suffering with the disease, and the commendable efforts of societies and individuals to educate the people in this direction, all are efficient aids in the war against the white plague, and the hope of a future without tuberculosis is not inconsistent with the experience of the past few years.

Bright's disease.—The number of deaths due to chronic nephritis during the past year was 420. This is an increase of 10 deaths over the record of 1907. The number of deaths reported among the white race was 281, an increase of 20. The record for this disease among the colored people, however, shows a decline from 149 to 139.

Diarrhea and enteritis.—The total number of deaths from diarrhea and enteritis during 1908 was 398. This is a slight improvement over the record of 1907, taking the deaths for all ages into consideration, but the number of deaths under 2 years of age from these diseases is increased. This increase is also confined to the white race. The deaths among white children increased from 127 to 158, and the deaths of colored infants decreased from 198 to 175. The net increased number of deaths from this trouble was, therefore, 8, namely, from 325 to 333. Below is appended a tabular statement showing the number of deaths and the death rates per 1,000 from diarrheal diseases and inflammation of the bowels among infants under 2 years of age for the calendar years 1900 to 1908, inclusive, arranged as to race:

Year.	Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.
1900.....	171	217	388	0.842	2.385	1.319
1901.....	128	216	344	.616	2.353	1.148
1902.....	119	210	329	.560	2.263	1.077
1903.....	114	168	282	.524	1.793	.906
1904.....	143	180	323	.642	1.903	1.018
1905.....	126	211	337	.554	2.206	1.043
1906.....	146	172	318	.631	1.810	.974
1907.....	127	198	325	.544	2.059	.990
1908.....	158	175	333	.653	1.796	.982

Diphtheria.—There has been a gratifying decrease in the number of deaths from this disease since the record of 1907, viz, from 30 to 22. This reduction was entirely with the white decedents, viz, from 23 to 15. The colored deaths numbered the same as during 1907. For more detailed information as to the prevalence of this disease, reference is made to the report of the inspector in charge of the contagious-disease service.

Diseases of the heart.—The number of deaths due to various organic diseases of the heart during 1908 was 528. Of this number 321 were white people and 207 were colored. The record for 1907 was, white 343, colored 252.

Malarial fevers.—The record of deaths from these diseases during 1908 was the same as last year, viz, 4 white and 5 colored.

Measles.—The number of cases of measles which ended in death during 1908 was 2. Both of these fatalities occurred in the white race. There were no deaths among the colored population. The report of the medical inspector in charge of the contagious-disease service, printed in the Appendix, contains detailed information with respect to the prevalence of this disease in the District of Columbia during 1908, as well as to the extent and prevalence of certain other contagious diseases.

Pneumonia.—There was a satisfactory reduction in the number of deaths from this disease, viz, from 539 to 505. This decline, however, was almost exclusively with the colored race. There was but one less death during 1908 than during 1907, for the whites, viz, from 231 to 230, and a reduction in the number of colored deaths from 308 to 275.

Railroad accidents.—From both steam and street railroad accidents, 37 deaths were recorded during 1908. Eleven white people and 6 colored met death from accidents connected with the various steam roads in the District, while 15 whites and 5 colored were killed by street railroads.

Suicides.—The number of those who committed self-destruction during 1908 was 66, of which 58 were white people and 8 were colored. This is the same number as occurred in 1904, and during the last ten years is exceeded only by the record for last year, when there were 72 suicides reported. Of the methods employed, 16 used carbolic acid and 4 used other forms of poisons; 13 sought death by the inhalation of illuminating gas, 2 by hanging, 9 by drowning, 16 by fire-arms, 4 by cutting instruments, and 2 by jumping from high places. As to the age of these suicides, 4 were between 10 and 19 years, 17 were between 20 and 29 years, 12 were between 30 and 39, 14 were between 40 and 49, 9 were between 50 and 59, 8 were between 60 and 69, and 2 were between 70 and 80. Suicides among married people numbered 33 (24 males and 9 females); among those who were single, 18 (11 males, 7 females); among those who were widowed 4 males and 4 females, and among those whose marital relations were unknown there were 7 males.

A classification of the suicides in the District of Columbia, in accordance with nativity, is as follows: 17 were native of the District, 27 were born in other parts of the United States, 12 were foreign born, and 10 were those whose nativity was not ascertained.

Whooping cough.—There were 38 deaths attributed to whooping cough during 1908. Nine of these were white and 29 were colored. The record of this disease for the previous year was 33. The whites show a decrease of 6, while the colored deaths from whooping cough were increased by 11.

Scarlet fever.—There were 9 fatal cases of scarlet fever during 1908, as against 2 for 1907. Of the former, 8 deaths were of the white and 1 of the colored race. Attention is called to the report of the medical inspector in charge of the contagious-disease service for details as to the prevalence of this disease during the past year.

Typhoid fever.—The record of mortality for typhoid fever shows that during 1908 there were 124 deaths, of which 88 were white people and 36 were colored. This number is 10 more than was recorded during the previous year.

Comment relating to the number of cases occurring during the year, their distribution, cause, etc., and the general character of the disease, appears in the report of the medical inspector in charge of the contagious-disease service, printed in the Appendix.

A statement is appended which shows the relative incidence of certain specified diseases among the white and colored races during the calendar year 1908:

Diseases.	Deaths.		Death rates.		Ratio of death rates white to colored.
	White.	Colored.	White.	Colored.	
Abdominal tuberculosis.....	9	16	0.037	0.164	1: 4.43
Abscess, acute.....	2	2	.008	.021	1: 2.62
Accidents.....	154	92	.637	1.045	1: 1.64
Alcoholism.....	33	7	.136	.072	1: .53
Bronchitis, acute.....	13	23	.054	.236	1: 4.37
Broncho-pneumonia.....	64	59	.265	.605	1: 2.28
Cerebral hemorrhage.....	199	100	.823	1.026	1: 1.24
Cirrhosis of liver.....	41	9	.169	.092	1: .54
Congenital debility.....	11	3	.046	.031	1: .67
Convulsions, infantile.....	4	23	.017	.236	1:13.88
Diarrhea and enteritis (under 2 years).....	158	175	.653	1.796	1: 2.75
Dysentery.....	9	5	.037	.051	1: 1.37
Generalized tuberculosis.....	5	11	.021	.113	1: 5.38
Hereditary syphilis.....	6	19	.025	.195	1: 7.80
Malarial fever.....	4	5	.017	.051	1: 3.00
Marasmus, etc.....	64	56	.265	.574	1: 2.16
Nephritis:					
Acute.....	34	40	.141	.410	1: 2.91
Chronic.....	281	139	1.161	1.426	1: 1.23
Pericarditis, endocarditis, and myocarditis.....	59	17	.244	.174	1: .71
Pneumonia.....	166	216	.686	2.216	1: 3.23
Premature birth.....	108	94	.446	.964	1: 2.16
Puerperal eclampsia.....	7	10	.029	.103	1: 3.55
Puerperal peritonitis.....		1		.010	.....
Puerperal septicemia.....	4	6	.017	.062	1: 3.65
Pulmonary hemorrhage.....	9	18	.037	.185	1: 5.00
Rheumatism, acute.....	8	2	.033	.021	1: .64
Rickets.....		5		.051	.....
Senility.....	136	65	.562	.667	1: 1.19
Suicide.....	58	8	.240	.082	1: .34
Tuberculosis of lungs.....	301	410	1.244	4.206	1: 3.38
Typhoid fever.....	88	36	.364	.369	1: 1.01
Valvular disease of heart.....	301	204	1.244	2.093	1: 1.68
Whooping cough.....	9	29	.037	.298	1: 8.05

The following is a brief comparative summary of the mortality during the first six months of 1908 and 1909. This statement is appended in order that this report may be brought up as nearly as possible to date.

Cause of death.	White.		Colored.		Total.	
	1908.	1909.	1908.	1909.	1908.	1909.
External causes:						
Accidents and negligence.....	76	64	40	47	116	111
Homicides.....	6	7	7	4	13	11
Suicides.....	30	42	4	7	34	49
Sunstrokes.....	.....	9	4	1	4	10
Legal execution.....	1	.....	1	1	2	1
Natural causes.....	1,751	1,880	1,340	1,266	3,091	3,084
Total.....	1,864	1,940	1,396	1,326	3,260	3,266
Special diseases:						
Scarlet fever.....	5	14	.....	5	5	19
Diphtheria and croup.....	7	19	4	6	11	25
Measles.....	.....	29	.....	9	.....	38
Whooping cough.....	7	9	12	7	19	16
Diarrheal diseases:						
Under 2 years.....	38	21	48	54	86	75
2 years and over.....	18	24	11	10	29	34
Dysentery:						
Under 2 years.....	1	.....	.....	.....	1	.....
(2 years and over).....	4	.....	1	2	5	2
Typhoid fever.....	17	33	8	16	25	48
Malarial fever.....	.....	4	.....	.....	4	5
Pulmonary tuberculosis.....	151	167	218	221	369	388
Pneumonia.....	158	193	188	181	346	374
Bronchitis.....	31	40	46	25	77	65
Congestion of lungs.....	13	20	12	5	25	25
Rheumatism.....	16	7	6	3	22	10
All other diseases.....	1,285	1,238	782	722	2,067	1,960
External causes, as above.....	113	122	56	60	169	182
Total.....	1,864	1,940	1,396	1,326	3,260	3,266

The above indicates that during the first six months of 1909 there were in all but 6 more deaths than occurred in the corresponding period of 1908. With the white deaths, however, the increase was 76 over the record of 1908. With the colored there was a decline of 70. There was a decrease in the number of deaths due to accidents and negligence from 116 in 1908 to 111 in 1909. Diarrheal diseases of infants show a decline in the number of deaths from 86 to 75; but deaths from pulmonary tuberculosis were increased from 369 to 388, and from typhoid fever from 25 to 48.

BIRTHS.

The number of live births registered during the calendar year 1908 was 7,040. These figures represent the births of 4,835 white children and 2,205 colored, of which 5,725 were reported by physicians and 1,315 by midwives and nurses. There were 78 cases of twin births, 51 among whites and 27 among the colored. The number of illegitimate births were 574, of which 112 were white children and 462 were colored.

Stillbirths.—The recorded number of stillbirths in the District of Columbia during 1908 was 539. This is a falling off from the record of 1907 of 31 cases.

Respectfully,

A. C. PATTERSON, M. D.

WILLIAM C. WOODWARD, M. D.,
Health Officer, District of Columbia.

TABLE 1A.—Showing deaths and death rates in the District of Columbia during the calendar year 1908, arranged with reference to race and sex, and classified with reference to causes of death.

Cause of death.	Total deaths.			General death rates.			Percentage of each cause to total mortality.	Deaths by race and sex.				Total by sex.		Total deaths preceding year.	Variation in deaths in present, as compared with preceding year.		
	W.	C.		W.	C.			White.		Colored.		M.	F.		In-crease.	De-crease.	
		All.	C.		W.	C.		M.	F.								
										All.	C.						M.	F.
I.—General diseases.																	
1 Typhoid fever.....	88	36	124	0.364	0.369	0.365	2.021	51	37	22	14	73	51	114	10	.....
2 Exanthematic typhus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3 Recurrent fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4 Malarial cachexia (intermittent and remittent fever).....	4	5	9	.017	.051	.027	.147	2	2	3	2	5	4	9	0	0	
5 Variola.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6 Measles.....	2	1	2	.008	.006	.006	.033	1	1	1	1	1	1	2	0	0	
7 Scarlatina.....	8	1	9	.033	.010	.026	.147	5	3	5	1	5	4	9	7	7	
8 Whooping cough.....	9	29	38	.037	.298	.112	.619	3	6	15	14	18	20	33	5	.....
9 Diphtheria (and croup).....	15	7	22	.062	.071	.065	.339	11	4	2	5	13	9	30	.....	8
10 Grippe (epidemic influenza).....	91	72	163	.376	.739	.480	2.637	38	53	36	36	74	89	142	21	.....
11 Miliary fever (sweating).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12 Asiatic cholera.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13 Cholera morbus (nostris).....	1	.....	1	.004	.003	.003	.016	1	.....	.....	.....	1	.....	.....	1	.....
14 Dysentery.....	9	5	14	.037	.051	.041	.228	6	3	1	4	7	7	23	.....	9
15 Pest (plague, or bubonic plague).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16 Yellow fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17 Leprosy.....	8	7	15	.033	.072	.044	.244	6	2	7	.....	13	2	14	1	.....
18 Erysipelas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19 Other epidemic affections.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20 Purulent infection (pyemia and septicemia).....	6	5	11	.025	.051	.032	.179	4	2	3	2	7	4	19	.....	8
21 Glanders and farcy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22 Malignant pustule and charbon (anthrax).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23 Rabies (hydrophobia).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24 Actinomycosis, trichinosis, etc.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25 Pellagra.....	6	2	8	.025	.021	.024	.130	3	3	2	.....	5	3	6	2	.....
26 Tubercle of the larynx.....	301	410	711	1.244	4.206	2.095	11.385	175	126	206	204	381	330	748	.....	37
27 Tubercle of the lungs.....	25	16	41	.013	.104	.121	.068	14	11	8	.....	22	19	36	5	.....
28 Tubercle of the meninges.....	9	16	25	.037	.164	.073	.407	6	3	4	12	10	15	28	.....	3
29 Tubercle of abdominal region.....	4	4	8	.017	.041	.024	.130	2	2	1	3	3	5	5	.....	3
30 Potts disease.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31 Cold abscess and psora abscess.....	5	1	6	.021	.010	.018	.098	4	1	.....	1	4	2	1	5	.....
32 White swelling.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
33 Tubercle of other organs.....	4	4	8	.017	.041	.023	.130	2	2	3	.....	5	3	5	.....	.....

34	Generalized tuberculosis.....	5	11	16	.021	.113	.047	.261	2	3	2	9	4	12	16	0	0
35	Syphilis.....	1	1	1	.010	.043	.017	.017				1		1	1	0	0
36	Syphilis.....	1	1	1	.010	.043	.017	.017				1		1	1	0	0
37	1. Gonorrhea.....	4	19	25	.025	.195	.074	.407	5	1	9	10	14	11	23	2	
38	2. Gonorrhea, under 5 years.....	6	8	12	.017	.082	.035	.196	3	1	5	3	8	4	6	6	
39	Cancer and other malignant tumors of the buccal cavity:	1	1	1		.010	.003	.016			1		1	1	0	0	
40	1. Of jaw.....	4	2	6	.017	.021	.018	.068	3	1	2		5	1	3	3	
	2. Of tongue.....	1	1	1	.004		.003	.017	1	1			1	1	4	2	
	3. Of tonsil.....	2	2	2	.008		.006	.033	1	1			1	1			
	Cancer of the stomach and liver:																
	1. Of esophagus.....	3	6	3	.012		.009	.049	3				3	3	0	0	
	2. Of liver.....	26	6	32	.107	.062	.094	.522	12	14	2	4	18	46	14	14	
	3. Of stomach.....	43	16	59	.178	.104	.174	.932	26	17	8	8	34	25	55	4	
41	Cancer of peritoneum, intestines, etc.:																
	1. Of intestines.....	18	3	21	.074	.031	.062	.342	6	12	1	2	7	14	23	2	
	2. Of mesentery.....	2	2	2	.008		.006	.033	1	1			1	1	1	2	
	3. Of omentum.....	1	1	1	.004		.003	.016									
42	Cancer of female genital organs:																
	1. Of ovary.....	1	1	1	.004		.003	.017		1				1		1	
	2. Of uterus.....	19	22	41	.079	.226	.121	.608	19	19		22		41	59	18	
	3. Of vagina and vulva.....	4	4	4	.017		.012	.065	4	4				4		4	
43	Cancer of breast.....	35	9	44	.145	.092	.130	.717		35		9		44	37	7	
44	Cancer of skin:																
	1. Of ear.....	1	1	1	.004		.003	.016	1				1	1	0	0	
	2. Of face.....	6	6	6	.025		.018	.098	4	2			4	2	13	7	
45	Cancer and other malignant tumors of other organs (unclassified):																
	1. Abdomen.....	6	1	7	.025	.010	.021	.114	2	4		1	2	5	4	3	
	2. Axilla.....	1	1	1	.004	.010	.003	.016				1	1	1	1	1	
	3. Bladder.....	1	1	2	.004	.010	.006	.033	1			1	1	1	1	1	
	4. Bone.....	1	1	1	.004	.003	.003	.016	1				2	2	2	1	
	5. Chest.....	1	1	2	.004	.010	.006	.033	1		1		2	1	1	0	
	6. Diffuse papillomatous sarcoma.....	1	1	1	.004	.002	.017	.002	1	1		1	2	1	1	0	
	7. Kidney.....	1	2	3	.005	.021	.009	.049	1		1	1	3	3	4	1	
	8. Larynx.....	3	3	3	.012	.009	.009	.049	3			1	3	3	2	3	
	9. Leg and foot.....	2	1	3	.008	.010	.006	.033	2	2			2	2	1	0	
	10. Lung.....	2	2	2	.008	.006	.006	.033	2				2	2	1	0	
	11. Lympho-sarcoma.....	2	2	2	.008	.003	.003	.016					2	2	0	0	
	12. Melanosis.....	1	1	1	.004	.003	.003	.016	1			1	1	1	1	1	
	13. Melanosis.....	1	1	1	.004	.003	.003	.016					1	1	1	1	
	14. Meninges.....	1	1	1	.004	.003	.003	.016					3	1	5	1	
	15. Neck.....	3	1	4	.012	.010	.012	.065	2	1	1		3	1	1	1	
	16. Orbit.....	2	2	2	.004	.003	.003	.017	1			1	2	4	0	0	
	17. Pancreas.....	2	2	4	.008	.021	.012	.065	3	2	1	1	3	3	2	6	
	18. Pelvis.....	5	1	6	.021	.010	.018	.098	3	2		1	5	5	1	3	
	19. Prostate.....	5	5	5	.021	.015	.081	.351	1					1	2	5	
	20. Thyroid.....	1	1	1	.004	.003	.003	.016			1			1	5	0	
46	Other tumors.....	2	1	3	.008	.010	.009	.049	1	1	1		2	1	5	0	
47	Rheumatism, acute, articular.....	8	2	10	.033	.021	.029	.083	2	6		2	2	8	10	0	
48	Rheumatism, chronic (gout).....	11	9	20	.046	.052	.059	.326	7	4	4	5	11	9	16	4	

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1908, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.				General death rates.				Percentage of each cause to total mortality.	Deaths by race and sex.				Total by sex.		Total deaths preceding year.	Variation in deaths in present, as compared with preceding year.					
																	Increase.	Decrease.				
	W	C.	All.		W.	C.	All.			M.	F.	M.	F.	M.	F.							
I.—General diseases—Continued.																						
49 Scourbutus.....	25	4	29		0.103	0.041	0.085		0.473	10	15		4	10	19	50		21				
50 Diabetes.....	6	1	7		.025	.010	.020		.114		6		1		7	1	6	1				
51 Exophthalmic goiter.....																						
52 Addison's disease.....																						
53 Leukemia.....	4	2	6		.017	.021	.018		.098	2	2		2	2	4	6	0	0				
54 Leukemia and chlorosis.....	15	8	23		.062	.082	.068		.375	7	8	3	5	10	13	12	11					
55 Anemia.....																						
56 Anemia and chlorosis.....	33	7	40		.136	.072	.118		.632	28	5	7		35	5	32	8					
57 Alcoholism.....																						
58 Chronic lead poisoning.....																						
59 Other chronic poisoning (occupational).....																						
Other chronic poisoning.....																						
Total.....	920	763	1,683		3.802	7.826	4.959		27.430	483	437	363	400	846	837	1,682	1					
II.—Diseases of nervous system and organs of special sense.																						
60 Encephalitis.....	2	1	3		.008	.010	.009		.049	1	1		1	1	2	1	2					
61 Meningitis:																						
1. Epidemic cerebro-spinal.....	11	10	21		.046	.103	.062		.342	9	2	6	4	15	6	as	13	60				
2. Other forms (simple).....	22	9	31		.091	.092	.091		.505	19	3	4	5	23	8	91						
Locomotor ataxia, progressive.....	8	1	9		.033	.010	.027		.147	7	1		1	7	2	7	2					
Other diseases of the spinal cord:																						
1. Ascending paralysis (Landry's).....	1		1		.004		.003		.016					1		2		1				
2. Bulbar paralysis.....	2		2		.008		.006		.033	2				2		8		6				
3. Insular paralysis.....	1		1		.004		.003		.017							1		0				
4. Myelitis.....	4	1	5		.017	.010	.015		.081	3	1		1	3	2	4	1					
5. Paralysis agitans.....	1		1		.004		.003		.016							1						
6. Spinal sclerosis.....	2	2	4		.008	.020	.012		.065	2	2	2		2	2	6		2				
Cerebral apoplexy.....	109	100	209		.823	1.026	.881		4.876	111	88	42	58	153	146	282	17	5				
Cerebral congestion, edema, effusion.....	2	3	5		.008	.031	.015		.081	1	1	3		4	1	10						
Cerebral softening.....	10	8	24		.066	.082	.071		.391	13	3	7	1	20	4	18	6					

66	Paralysis without specified cause:	11	13	24	.046	.133	.070	.391	5	6	5	8	10	141	43	1
	1. Hemiplegia.....	9	4	13	.037	.041	.038	.212	5	4	1	3	6	7	3	1
	2. Paraplegia.....	2	5	.012	.021	.014	.081	1	2	1	1	3	2	3	1	
67	General paralysis of insane (paralysis).	20	6	26	.083	.062	.077	.424	18	2	4	2	22	4	39	13
68	Other forms of mental alienation:															
	1. Acute delirious mania.....	1	1	1	.004	.010	.003	.017	1	1	1	1	1	1	11	8
	2. Dementia.....	1	1	1	.004	.003	.016	.016	1	1	1	1	1	1	1	1
	3. Myxedematous insanity.....	1	1	1	.005	.003	.017	.017	1	1	1	1	1	1	1	1
69	Epilepsy.....	17	11	28	.070	.113	.083	.456	11	6	8	3	19	9	19	9
70	Convulsions, 5 years and over (nonpuerperal).															
71	Convulsions, under 5 years.....	4	23	27	.017	.236	.080	.440	4	11	12	15	12	15	45	18
72	Tetanus neonatorum (trismus).....	4	3	7	.017	.031	.021	.114	2	2	1	2	3	4	4	3
73	Chorea.....	4	3	7	.017	.031	.021	.114	2	2	1	2	3	4	4	3
74	Other diseases of the nervous system:	1	1	1	.004	.003	.016	.016	1	1	1	1	1	1	2	1
	a. Of the brain—															
	1. Cerebral abscess.....	2	1	3	.008	.010	.009	.049	2	2	1	1	1	3	4	1
	2. Cerebral tumor.....	7	1	8	.029	.010	.024	.130	4	3	1	4	4	5	3	1
	3. Cretinism.....	1	1	1	.004	.003	.017	.017	1	1	1	1	1	1	1	1
	4. Organic brain disease.....	2	2	2	.008	.006	.032	.032	2	1	2	2	2	5	5	3
	b. Of the nervous system—															
	1. Aphasia.....	1	1	1	.004	.003	.016	.016	1	1	1	1	1	1	1	0
	2. Hysteria.....	1	1	1	.004	.003	.016	.016	1	1	1	1	1	1	1	1
	3. Neurasthenia.....	3	2	5	.012	.021	.015	.081	3	3	2	2	5	11	6	6
	4. Neuritis.....	3	2	5	.013	.021	.014	.081	2	1	2	2	2	3	8	3
75	Diseases of the eye and its adnexa.....	3	1	4	.012	.010	.012	.065	2	1	1	1	3	1	1	3
76	Diseases of the ear.....	3	1	4	.012	.010	.012	.065	2	1	1	1	3	1	1	3
	Total.....	365	205	570	1.509	2.103	1.682	9.290	224	141	97	108	321	249	640	70
III.—Diseases of the circulatory system.																
77	Pericarditis.....	2	2	2	.008	.006	.033	.033	2	2	8	9	43	2	4	2
78	Endocarditis and myocarditis.....	57	17	74	.236	.174	1.206	35	22	2	8	9	31	69	5	5
79	Organic disease of the heart:															
	1. Fatty degeneration.....	15	1	16	.062	.010	.047	.261	6	9	5	1	6	10	19	3
	2. Hypertrophy and dilatation.....	22	11	33	.091	.113	.097	.388	9	13	5	6	14	19	32	1
	3. Valvular disease.....	264	192	456	1.691	1.970	1.344	158	106	101	91	259	197	528	72	72
80	Angina pectoris.....	20	3	23	.083	.031	.068	.375	11	9	2	1	13	10	16	7
81	Diseases of arteries, atheroma, aneurism:															
	1. Aneurism.....	5	5	10	.021	.051	.029	.163	3	2	2	3	5	5	16	6
	2. Arteriosclerosis.....	64	15	79	.265	.154	.237	1.287	40	24	6	9	46	33	84	5
82	Embolism and thrombosis.....	12	6	18	.050	.062	.033	.283	5	7	4	2	9	9	13	5
83	Diseases of the veins (varices, hemorrhoids).															
84	Diseases of the lymphatic system (lymphangitis).															
85	Hemorrhages:															
	1. Hemipilia.....	3	1	4	.012	.010	.012	.065	3	3	1	1	3	3	1	1
	2. Purpura hemorrhagica.....	3	3	3	.012	.009	.049	.049	3	1	1	3	3	3	0	0
86	Other diseases of the circulatory system.....															
	Total.....	467	252	719	1.931	2.586	2.118	11.716	270	197	129	123	399	320	791	72

* Since April, 1907.

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1908, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.				General death rates.				Percentage of each cause to total mortality.	Deaths by race and sex.				Total by sex.		Total deaths preceding year.	Variation in deaths in preceding year.					
																	Increase.	Decrease.				
	W.	C.	All.		W.	C.	All.			White.	Colored.			M.	F.				M.	F.		
IV.—Diseases of the respiratory system.																						
87 Diseases of the nasal fossae.....																						
88 Diseases of the larynx:																						
1. Edema of glottis, of larynx.....	2	1	2		0.008	.012	0.006	0.033	2					2			0	0				
2. Laryngitis.....	3		4		.012	.010	.012	.065	3					3			3	3				
89 Diseases of the thyroid body.....	13	23	36		.054	.236	.106	.587	3	10	13			13	23	36		9				
Bronchitis, acute, and under 5 years.....	4	35	39		.017	.359	.115	.635	2	2	18			20	19	48		3				
Bronchitis, chronic, and over 5 years.....	40	9	49		.165	.092	.144	.798	18	22	4			22	27	120		11				
Pneumonia, broncho, lobular, catarrhal.....	64	59	123		.265	.605	.362	2.004	32	31	28			63	60	125		32				
Pneumonia, lobar, croupous, etc.....	166	216	382		.886	2.216	1.125	6.224	90	76	105			193	187	414		10				
Pleurisy, empyema, etc.....	4	8	12		.017	.082	.035	.196	4	4	4			8	4	16		4				
Pulmonary congestion.....	26	16	43		.107	.174	.127	.701	10	16	8			18	25	53		10				
Pulmonary edema and apoplexy.....	8	6	14		.033	.062	.041	.228	4	4	5			9	5	14		0				
Pulmonary gangrene.....	2	1	3		.008	.010	.009	.049	2		1			3	3	5		2				
Asthma.....	5	4	9		.021	.041	.027	.147	2	3	1			5	4	9		2				
Emphysema of lungs.....	1	1	2		.004	.011	.006	.033										0				
Other diseases of respiratory system (phthisis excepted).....	9	18	27		.037	.185	.080	.440	7	2	16			23	4	20	7	0				
Total.....	347	398	745		1.434	4.083	2.195	12.140	179	168	203			382	363	816		71				
V.—Diseases of the digestive system.																						
Diseases of the mouth and its adnexa.....																						
Diseases of the pharynx.....	1	1	2		.004	.010	.006	.033										1				
Diseases of the esophagus.....	2	2	4		.008	.020	.012	.065	1	1				1	3	3						
Gastric ulcer.....	1	1	2		.004	.010	.006	.032	1					1	1	1						
Other diseases of the stomach (cancer excepted):																		0				
1. Gastritis.....	33	33	66		.136	.338	.194	1.075	20	13	17			37	29	77		11				
2. Indigestion, acute.....	30	32	62		.124	.328	.183	1.011	16	14	13			19	29	66		4				
Diarrhea and enteritis (under 2 years):																						
1. Cholera infantum.....	44	37	81		.182	.380	.239	1.320	26	18	20			46	35	107		26				
2. Cholera.....	2	18	20		.008	.185	.059	.326	1	1	11			7	12	8		7				
3. Enteritis.....	45	35	80		.186	.359	.236	1.304	21	24	19			40	40	74	6					

	67	85	132	.277	.872	.448	2,477	41	26	42	43	83	69	118	34	
4. Gastro-enteritis.....																
Diarrhea and enteritis (2 years and over):																
1. Diarrhea.....	8	16	.033	.082	.047	.261	3	5	2	6	5	11	19	3		
2. Enteritis.....	18	7	.073	.072	.073	.407	12	6	2	5	14	31	31	6		
3. Gastro-enteritis.....	18	6	.075	.062	.071	.391	7	11	2	4	9	15	28	4		
Parasites, intestinal.....																
Hemata and intestinal obstruction:																
1. Hemata.....	8	4	.033	.041	.035	.195	3	5	4		7	5	13	1		
2. Intestinal obstruction.....	18	11	.074	.113	.085	.473	6	12	4	7	10	19	29	0		
3. Intussusception and volvulus.....	2	1	.008	.010	.009	.049	2			1	2	1	11	8		
4. Rupture of diaphragm.....	1		.004			.003	.016	1			1		1			
Other diseases of the intestines:																
1. Fistula.....	2	4	.008	.041	.018	.098		2	1	3		1	5			
2. Foreign body in intestines.....	1		.004			.003	.016	1			1					
3. Intestinal cancer.....	1		.005			.003	.017	1			1					
4. Intestinal hemorrhage.....	2		.008			.006		1			1					
Yellow atrophy of liver, acute.....																
Hydatid tumor of liver.....																
Cirrhosis of liver.....	41	9	.169	.092	.147	.081	25	16	5	4	30	20	35	15		
Biliary calculi.....	5		.021			.015		3				2	3	5	0	
Other diseases of the liver:																
1. Hepatic abscess.....																
2. Hepatitis.....	4	1	.017	.010	.014	.081	2	2	1		3	2	6			
Diseases of spleen.....	4	2	.017	.021	.018	.098		4		2		6	17			
Pertinitis (nonpuerperal).....	2		.008			.003	1	1			1	1	2			
Other diseases of digestive system (cancer and tuberculosis excepted).....	13	20	.034	.205	.097	.538	7	6	4	16	11	22	24	9		
Appendicitis.....	4		.017			.060	3	1			3	1	1	3		
Total.....	406	331	1,678	3,395	2,171	12,010	221	185	152	179	373	364	756	19		
VI.—Diseases of genito-urinary system.																
Nephritis, acute.....	34	40	.141	.410	.218	1,206	22	12	23	17	45	29	51	23		
Nephritis, chronic interstitial.....	281	139	1,161	1,426	1,237	6,845	180	101	70	69	250	170	410	10		
Other diseases of kidneys and their adnexa:																
1. Cystic degeneration of kidneys.....	1	1	.004	.010	.006	.032		1		1		2				
2. Dislocation of kidneys.....	1	1	.004	.011	.003	.016				1		1				
3. Hematuria.....	13	2	.054	.021	.044	.244	7	6		2	7	8	9	6		
4. Pyelitis (abscess, etc.).....																
Urinary calculus.....																
Diseases of the bladder (cystitis, etc.).....	9	4	.037	.041	.038	.212	8	1	3	1	11	2	15			
Diseases of the urethra.....																
Diseases of the prostate:																
1. Hypertrophy.....	6		.025		.018	.098	6				6		11			
2. Prostatitis.....	4		.017		.012	.065	4				4		3			
Nonvenereal diseases of male genital organs.....																
Metritis.....																
Uterine hemorrhage.....																
Uterine tumors (noncancerous) (fibroids).....	6	6	.025	.062	.035	.196		6		6			8	4		
Other diseases of the uterus.....	2	3	.008	.031	.015	.081		2		3			5	6		
Cysts and tumors of the ovary.....	3	1	.012	.010	.012	.065		3		1			4	7		

[illegible]

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1908, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.			General death rates.			Percentage of each cause to total mortality.	Deaths by race and sex.				Total by sex.		Total deaths preceding year.	Variation in deaths in preceding year.	
	Total deaths.			General death rates.				White.		Colored.		M.	F.		Increase.	Decrease.
								M.	F.	M.	F.					
XIII.—External causes.																
155 Suicide by poison:																
1. Aque ammonia.....	1		1	0.004		0.003	0.016	1	9			1	11			
2. Carbolic acid.....	14	2	16	.058	.021	.047	.261	5	1		2	5	1	17	3	
3. Mercury, bichloride.....	1		1	.004		.003	.016					1				
4. Potassium cyanide.....	1		1	.005		.003	.016	1	1							
5. Strychnia.....	13		13	.004		.008	.212	9	4			9	4	19		6
Suicide by asphyxia (illuminating gas).....						.006	.033					1	1	4		2
Suicide by hanging.....	1	1	2	.004	.010	.006	.147	7			1	1	1	4		5
Suicide by drowning.....	17	2	19	.029	.021	.027	.201	13	1	2		15	1	26		10
Suicide by firearms.....	4		4	.016		.012	.085	3		1		4		2		
Suicide by cutting instruments.....	3	1	4	.012	.010	.006	.033	2				2		2		
Suicide by jumping from high places.....	2		2	.008												
Suicide by crushing.....																
Other suicides.....														29		29
156 Fractures.....																
157 Dislocations.....																
158 Accidental traumatism:																
1. Bicycle accidents.....	2		2	.008		.006	.033	2				2		1	1	
2. Buried under falling material.....	1	2	3	.004	.021	.009	.049	1	2			3		4	3	
3. Decapitated by wire rope.....	1		1	.004		.003	.016	1				1		4	1	
4. Elevator accident.....	3		3	.012		.009	.049	3				3				
5. Falls.....	36	12	48	.139	.123	.141	.782	26	10	8	4	34	14	28	20	
6. Gun-shot accident.....	2	4	6	.008	.041	.018	.068	1	1	4		5	1	4	2	
7. Kicked by horse.....	1		1	.004		.003	.016									
8. Railroad accident's (street).....	11	6	17	.046	.062	.050	.277	9	2	6		15	2	19		2
9. Railroad accident's (steam).....	15	5	20	.062	.051	.059	.326	14	1	5		19	1	16	4	
10. Runaway horse.....	4		4	.017		.012	.065	2	2			2	2	3	1	
11. Run over by vehicles.....	4	4	8	.017	.041	.024	.130	4		4		8		2	6	
12. Steamboat collision.....	1		1	.004		.003	.016	1				1		5		2
13. Struck by falling bodies.....	2	1	3	.008	.010	.009	.049	2		1		3		1	1	
14. Traumatic meningitis.....	1		1	.004		.003	.016									
15. Traumatic tetanus.....	5	5	10	.021	.031	.026	.163	2	3	4	1	6	4	12		2
16. Thrown from horse.....	2		2	.008		.006	.032	2				2		2		
Burns and scalds.....	19	17	36	.073	.175	.106	.586	6	13	5	12	11	25	25	11	

168	Burns from corrosive substances.....	6	8	14	.025	.082	.041	.228	3	3	7	1	10	4	1	13	2
169	Sunstroke (heat stroke).....	1	1	1	.004	.003	.016	.016	1	1	25	1	45	1	26	20	3
170	Freezing.....	20	26	46	.083	.267	.135	.730	20	20	1	1	1	1	1	1	2
171	Electric shock.....	1	1	1	.004	.003	.016	.016	1	1	25	1	45	1	26	20	3
172	Drowning.....	20	26	46	.083	.267	.135	.730	20	20	1	1	1	1	1	1	2
173	Starvation.....	1	1	1	.004	.010	.006	.033	11	2	1	1	1	1	3	1	1
174	Absorption of deleterious gases: 1. Anesthesia narcotics..... 2. Asphyxia, illuminating gas.....	13	1	2	.004	.010	.006	.033	11	2	1	1	1	1	3	1	2
175	Other acute poisoning: 1. Alcohol poisoning..... 2. Carbolic acid..... 3. Potmain poison..... 4. Wood alcohol.....	2	1	1	.008	.010	.003	.016	2	1	1	1	1	1	1	1	0
176	Other external violence: 1. Homicide..... 2. Legal hanging..... 3. Overlaid by mother..... 4. Prolonged labor (child)..... 5. Suffocation.....	16	17	33	.065	.174	.097	.538	12	4	13	4	25	8	32	1	1
177	Total.....	243	127	370	1.005	1.303	1.090	6.030	182	61	94	33	276	94	348	22	7
178	XIV.— <i>Ill-defined diseases.</i>																
179	Dropsy.....	3	3	3	.031	.009	.049	.049	1	1	2	1	2	2	1	1	1
180	Sudden death.....	5	4	9	.021	.041	.026	.147	2	3	1	3	3	6	4	5	3
181	Unspecified or ill-defined causes of death: 1. General debility..... 2. Inanition (3 months and over)..... 3. Marasmus and malassimilation (3 months and over)..... 4. Overexertion.....	34	35	69	.141	.359	.203	1.125	18	16	16	19	34	35	79	1	10
182	Total.....	43	47	90	.178	.482	.265	1.467	23	20	21	26	44	46	97	7	7
183	RECAPITULATION.																
184	I. General diseases.....	920	763	1,683	3.802	7.826	4.959	27.430	483	437	363	400	846	837	1,682	1	70
185	II. Diseases of nervous system and organs of special sense.....	365	205	570	1.509	2.103	1.082	9.290	224	141	97	108	321	239	640	1	70
186	III. Diseases of circulatory system.....	467	252	719	1.931	2.586	1.218	11.716	270	197	129	123	399	320	791	1	72
187	IV. Diseases of respiratory system.....	347	398	745	1.434	1.785	2.195	12.140	271	168	203	195	382	363	816	1	71
188	V. Diseases of digestive system.....	406	331	737	1.678	3.395	2.171	12.010	221	185	152	179	373	364	756	1	19
189	VI. Diseases of genito-urinary system.....	364	204	568	1.505	2.093	1.673	9.256	228	136	98	106	326	242	536	32	7
190	VII. The puerperal state.....	24	31	55	.099	.318	.162	.896	24	24	.....	31	.....	55	48	0	0
191	VIII. Diseases of the skin and cellular tissue.....	13	10	23	.034	.102	.065	.375	9	4	5	5	14	9	23	0	0
192	IX. Diseases of organs of locomotion.....	9	13	22	.037	.133	.068	.359	3	6	8	5	11	11	9	13	8
193	X. Malformations.....	25	3	28	.103	.031	.082	4.56	16	9	2	1	18	10	20	8	45
194	XI. Early infancy.....	185	140	325	.765	.436	.957	5.287	110	75	83	57	193	132	370	22	6
195	XII. Old age.....	136	65	201	.562	.667	.592	3.277	60	76	31	34	91	110	207	22	7
196	XIII. External causes.....	243	127	370	1.005	1.303	1.090	6.030	182	61	94	33	276	94	348	22	7
197	XIV. Ill-defined diseases.....	43	47	90	.178	.482	.265	1.467	23	20	21	26	44	46	97	7	7
198	Total deaths from all causes.....	3,547	2,589	6,136	14.462	26.558	18.079	99,999	2,008	1,539	1,286	1,303	3,294	2,842	6,343	207	207

[illegible]

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to months and classified with reference to race, sex, and causes of death—Continued.

Classi- fication No.	Cause of death.	Total deaths year 1908.	January.				February.				March.				April.				May.				June.			
			W.		C.		W.		C.		W.		C.		W.		C.		W.		C.					
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
			I.—General diseases—Continued.																							
51	Exophthalmic goiter	7	1																			1				
52	Adison's disease	6																								
53	Leukemia	23	1		1				1			1							1	2		1				
54	Anemia and chlorosis																									
55	Other general diseases																									
56	Alcoholism	40	2	1	2	1			5	1									3			2				
57	Chronic lead poisoning																									
58	Other chronic poisoning (occupational)																									
59	Other chronic poisoning																									
	Total	1,683	48	75	36	43	55	34	28	42	47	36	42	42	31	32	40	40	31	29	33	32	44	24	27	21
II.—Diseases of nervous system and organs of special sense.																										
60	Encephalitis	3										1						1								
61	Meningitis:																									
	1. Epidemic cerebro-spinal	21																2	2	1	1	3	1	1		
	2. Other forms (simple)	31	2		1	1	2				1		1				1		3	1	1	1	1		1	
62	Locomotor ataxia, progressive	9	1									1														
63	Other diseases of the spinal cord:																									
	1. Ascending paralysis (Landry's)	1	1								1															
	2. Bulbar paralysis	2																								
	3. Insular paralysis	1																								
	4. Myelitis	5	1			1														1						
	5. Paralysis agitans	1																		1						
	6. Spinal sclerosis	4			2																					
64	Cerebral apoplexy	299	8	8	3	6	9	7	5	10	8	4	6	10	10	4	2	8	12	2	11	7	10	5	1	
65	Cerebral congestion, edema, effusion	5																								
66	Paralysis softening	24	2	1		1								3		1										
	Paralysis without specified cause:																									
	1. Hemiplegia	24	1	1		2		1	1			1	1	2					1				2		1	
	2. Paralysis	13				2						2														
	3. Paraplegia	5																								
67	General paralysis of insane (paresis)	26	3			2									1				1		1		2		1	

68	Other forms of mental alienation:	1																							
	1. Acute delirious mania.....	1																							
	2. Dementia.....	1																							
	3. Myxedematous insanity.....	28	2	1				1		3	1	1	1	1	2	1									
69	Epilepsy.....																								
70	Convulsions, 5 years and over (nonpuerperal).....																								
71	Convulsions, under 5 years.....	27		2	1			2	1	2	1	2	1	1	2	1									
72	Tetanus neonatorum (trismus).....	7																							
73	Chorea.....	1																							
74	Other diseases of the nervous system:																								
	<i>a.</i> Of the brain—																								
	1. Cerebral abscess.....	3		1																					
	2. Cerebral tumor.....	8	2																						
	3. Cretinism.....	1																							
	4. Organic brain disease.....	2																							
	<i>b.</i> Of the nervous system—																								
	1. Aphasia.....	1																							
	2. Hysteria.....	1																							
	3. Neurasthenia.....	5																							
	4. Neuritis.....	5																							
75	Diseases of the eye and its adnexa.....																								
76	Diseases of the ear.....	4																							
	Total.....	570	22	13	8	13	20	9	8	9	18	14	8	9	20	13	11	12	20	19	16	15	15	11	
	III.—Diseases of the circulatory system.																								
77	Percarditis.....	2																							
78	Endocarditis and myocarditis.....																								
79	Organic diseases of the heart:																								
	1. Fatty degeneration.....	16		1																					
	2. Hypertrophy and dilatation.....	33	1	1			2	1						2	1				1	2	1				
	3. Valvular disease.....	466	14	14	6	12	15	13	12	4	20	9	13	8	7	15	7	6	8	11	11	21	10	5	
80	Angina pectoris.....	23					1																		
81	Diseases of arteries, atheroma, aneurism:																								
	1. Aneurism.....	10		1							2														
	2. Arteriosclerosis.....	79	2	1	1	2	1				4	2	2	2	2	2	2	3	3						
82	Embolism and thrombosis.....	18	1		2	1	1				2	2	1	1	1	1									
83	Diseases of the veins (varices, hemorrhoids).....																								
84	Diseases of the lymphatic system (lymphangitis).....	1																							
85	Hemorrhages:																								
	1. Hemophilia.....	4																							
	2. Purpura hemorrhagica.....	3																							
	Other diseases of the circulatory system.....																								
86	Total.....	719	20	21	10	15	23	16	14	6	32	18	14	11	20	14	16	10	12	20	13	36	14	13	
	IV.—Diseases of the respiratory system.																								
87	Diseases of the nasal fossae.....																								
88	Diseases of the larynx:																								
	1. Edema of glottis, of larynx.....	2																							
	2. Laryngitis.....	4	1	1		1																			

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TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to months and classified with reference to race, sex, and causes of death—Continued.

Classi- fication No.	Cause of death.	Total deaths year 1908.	January.			February.			March.			April.			May.			June.		
			W.		C.	W.		C.	W.		C.	W.		C.	W.		C.	W.	C.	
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.			F.
VII.— <i>The puerperal state.</i>																				
134	Accidents of pregnancy (abortion).....	6																		
135	Puerperal hemorrhage.....	7			1															
136	Other accidents of labor:.....	5																		
	1. Difficult labor (mother).....	1																		
	2. Placenta previa.....	2																		
	3. Retained placenta.....	2																		
	4. Rupture of uterus (during labor).....	2																		
137	Puerperal septicemia and fever, etc.:.....	1																		
	1. Puerperal peritonitis.....	10																		
	2. Puerperal septicemia and fever.....	17			1															
138	Puerperal albuminuria and eclampsia.....	17																		
139	Puerperal albuminuria and eclampsia.....	17																		
140	Puerperal albuminuria and eclampsia.....	17																		
141	Other diseases of the breast.....	4																		
	1. Puerperal diseases of the breast.....	4																		
	Total.....	55			2			3		2	6		3		5		1		2	
VIII.— <i>Diseases of the skin and cellular tissue.</i>																				
142	Gangrene:.....	1																		
	1. Bed sores.....	1																		
	2. Gangrene of gums.....	9																		
	3. Gangrene of lower extremities.....	5																		
	4. Scald gangrene.....	2			1															
143	Carbuncle.....	2																		
144	Abscess, acute:.....	1																		
	1. Abdominal.....	1																		
	2. Pelvic.....	1																		
	3. Popliteal.....	1																		
	4. Adenitis, suppurative.....	1																		
145	Other diseases of the skin.....	1																		
	1. Other diseases of the skin.....	1																		
	Total.....	23	1			1		2		1			1		1		1		1	

IX.— <i>Diseases of organs of locomotion.</i>																							
146	Nontuberculous diseases of bones:	1																					
	1. Abscess, alveolar sinus.....	1																					
	2. Abscess, ethmoidal.....	1																					
	3. Mastoiditis (and abscess).....	9	1																				
	4. Necrosis of bones.....	2																					
	5. Osteomyelitis.....	3																					
	6. Rachitis.....	5																					
147	Arthritis and other diseases of joints (tuberculosis and rheumatism excepted).....	1																					
148	Amputations.....																						
149	Other diseases of organs of locomotion.....																						
	Total.....	22	1																				
X.— <i>Malformations.</i>																							
150	Congenital malformation (stillbirths excluded):	4																					
	1. Hydrocephalus.....	4																					
	2. Meningocele.....	1																					
	3. Open foramen ovale.....	19	1																				
	4. Spina bifida.....	3																					
	5. Thymus, hypertrophy of.....	1																					
	Total.....	28	2																				
XI.— <i>Early infancy.</i>																							
151	Congenital debility, tetanus, sclerema, etc.:	5																					
	1. Atelectasis.....	14																					
	2. Congenital debility.....	8																					
	3. Tetanus.....	51	4																				
	4. Marasmus and malassimilation.....	202	6																				
	5. Prematurity.....																						
152	Other diseases peculiar to early infancy:	5																					
	1. Asphyxia neonatorum.....	4																					
	2. Umbilical hemorrhage.....	36	1	2																			
153	Inanition (under 3 months).....																						
	Total.....	325	11	9	5	3	5	4	5	6	12	10	10	6	5	3	7	4	8	8	3	7	2
XII.— <i>Old age.</i>																							
154	Senile debility.....	180	2	2	1	4	5	9	3	3	4	9	4	2	3	7	4	3	6	3	6	2	2
	Senile dementia.....	21	1				2		1			2	1						1			1	1
	Total.....	201	3	3	1	4	7	9	4	3	6	10	4	2	3	7	4	3	7	3	5	2	3

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TABLE 1b.—*Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to months and classified with reference to race, sex, and causes of death—Continued.*

Classi- fifica- tion No.	Cause of death.	Total deaths year 1908.	January.				February.				March.				April.				May.				June.			
			W.		C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.	M.	F.	W.	C.					
			M.	F.																						
					M.																	F.				
RECAPITULATION.																										
	I. General diseases.....	1,683	48	75	36	43	55	34	28	42	47	36	42	42	31	32	40	40	31	29	33	32	44	24	27	21
	II. Diseases of nervous system and organs of special sense.....	570	22	13	8	13	20	9	8	9	18	14	8	9	20	13	11	12	20	19	9	16	15	14	11	4
	III. Diseases of circulatory system.....	719	20	21	10	15	23	16	14	6	32	18	14	11	20	14	16	10	12	20	13	13	37	14	13	8
	IV. Diseases of respiratory system.....	745	28	25	28	25	20	26	28	28	29	18	34	39	14	16	15	17	19	13	12	17	31	20	25	26
	V. Diseases of digestive system.....	737	10	12	3	5	14	10	5	4	16	10	8	10	8	13	6	8	14	13	9	7	14	9	5	11
	VI. Diseases of genito-urinary system.....	568	17	14	10	14	29	14	8	8	22	15	11	8	23	11	11	9	25	11	5	1	14	2	2	2
	VII. The puerperal state.....	55	1	1	1	2	1	1	2	3	2	6	1	6	3	3	6	1	5	1	1	1	1	1	1	1
	VIII. Diseases of the skin and cellular tissue.....	23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	IX. Diseases of organs of locomotion.....	22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	X. Malformations.....	28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	XI. Early infancy.....	325	11	9	5	3	5	4	3	6	12	10	10	6	3	7	4	3	8	8	6	8	3	7	2	2
	XII. Old age.....	201	3	3	1	4	7	9	6	4	3	3	7	3	3	7	4	3	7	5	2	3	6	2	3	3
	XIII. External causes.....	370	23	6	5	2	16	6	3	2	11	10	4	2	11	5	6	4	11	5	6	4	17	5	13	6
	XIV. Ill-defined diseases.....	90	2	1	4	1	2	.....	3	2	2	1	1	1	2	4	.....	1	2	2	2	1	3	3	.....	4
	Total deaths from all causes.....	6,136	186	181	110	128	194	130	109	113	198	140	140	133	148	122	120	116	153	128	103	116	180	104	113	95
	Total deaths from all causes, by race.....		367	238	324	222	338	273	338	270	236	281	219	284	208	284	208	284	219	208	284	219	208	284	219	208
	Percentage by race to total mortality, and by months.....		5.98	3.88	5.28	3.62	5.51	4.45	5.51	4.40	3.85	4.58	3.57	4.63	3.39	4.63	3.39	4.63	3.57	4.58	3.57	4.63	3.39	4.63	3.39	3.39
	Grand aggregate, and by months.....		605	546	611	506	500	492	500	492	500	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
	Death rate per 1,000 inhabitants, by months.....		1.78	1.61	1.80	1.49	1.47	1.45	1.47	1.49	1.47	1.47	1.47	1.45	1.47	1.49	1.47	1.47	1.47	1.47	1.47	1.47	1.45	1.47	1.45	1.45

Classi- fication No.	Cause of death.	July.				August.				September.				October.				November.				December.			
		W.		C.		W.		C.		W.		C.		W.		C.		W.		C.		W.		C.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	I.—General diseases.																								
1	Typhoid fever.....	4	3	7	1	4	5	1	3	9	7	4	3	8	8	1	2	10	3	1	2	7	3	2	1
2	Exanthematous typhus.....																								
3	Recurrent fever.....																								
4	Malarial fever.....					1	1							1						1					
5	Malarial cachexia (intermittent and remittent fever).....																								
6	Varicella.....																								
7	Measles.....																								
8	Scarlatina.....																								
9	Whooping cough.....																								
10	Diphtheria (and croup).....			3	6	1	1	3	1					1	1		2	2				2	1	1	
11	Grippe (epidemic influenza).....					1	1	1	1	1	1											3	3	1	2
12	Miliary fever (sweating).....																								
13	Asiatic cholera.....																								
14	Cholera morbus (nostras).....																								
15	Dysentery.....	1	2			1	2	1																	
16	Pest (plague or bubonic plague).....																								
17	Yellow fever.....																								
18	Leprosy.....																								
19	Erysipelas.....	1																							
20	Other epidemic affections.....																								
21	Purulent infection (pyemia and septicemia).....																								
22	Glanders and farcy.....			1											2		1					2			
23	Malignant pustule and charbon (anthrax).....																								
24	Rabies (hydrophobia).....																								
25	Actinomycosis, trichinosis, etc.....																								
26	Pellagra.....																								
27	Tubercle of the larynx.....	12	14	23	15	17	10	13	14	9	12	11	9	17	6	21	17	14	7	15	17	20	12	14	20
28	Tubercle of the lungs.....																								
29	Tubercle of the meninges.....	2	2	1		1	1	1	1																
30	Tubercle of the abdominal region.....	1	1		2	2	1	1			2				1					1	1		1		
31	Pott's disease.....			1	1																				
32	Cold abscess and psoas abscess.....																								
33	White swelling.....	1	1												2										
34	Tubercle of other organs.....																								
35	Generalized tuberculosis.....														1										
36	Scrofula.....																								
	Syphilis.....																								
	1. Congenital.....	1	1																						
	2. Constitutional.....														2					1	2	1			
37	Gonorrhoea, 5 years and over.....																								
38	Gonorrhoea, under 5 years.....																								

	32	35	39	37	35	34	21	30	26	39	22	21	43	31	25	36	43	33	24	27	48	35	26	29
14. Meninges.....												1										1		
15. Neck.....																								
16. Orbit.....											1													
17. Pancreas.....												1											1	
18. Pelvis.....																			1					
19. Prostate.....																								
20. Thyroid.....																								
Other tumors.....			1																					
Rheumatism, acute articular.....																								
Rheumatism, chronic (gout).....			2							2		1												
Scurbutus.....																								
Diabetes.....			1																					
Xanthinamic goiter.....			2																					
Acne.....																								
Leukemia.....																								
Anemia and chlorosis.....			1																					
Other general diseases.....																								
Alcoholism.....																								
Chronic lead poisoning.....			1																					
Other chronic poisoning (occupational).....			2																					
Other chronic poisoning.....																								
Total.....	32	35	39	37	35	34	21	30	26	39	22	21	43	31	25	36	43	33	24	27	48	35	26	29

III.—Diseases of nervous system and organs of special sense.

[illegible]

69 Epilepsy.....

70 Convulsions, 5 years and over (nonpuerperal).....

[illegible]

[illegible]

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to months and classified with reference to race, sex, and causes of death—Continued.

Classification No.	Cause of death.	July.			August.			September.			October.			November.			December.		
		W.		C.	W.		C.	W.		C.	W.		C.	W.		C.	W.		C.
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
IX.—Diseases of organs of locomotion.																			
146	Nontuberculous diseases of bones: 1. Abscess, alveolar sinus..... 2. Abscess, ethmoidal..... 3. Mastoiditis (and abscess)..... 4. Necrosis of bones..... 5. Osteomyelitis..... 6. Rachitis.....																		
147	Arthritis and other diseases of joints (tuberculosis and rheumatism excepted).....																		
148	Amputations.....																		
149	Other diseases of organs of locomotion.....																		
	Total.....	2	1	1						1						1			
X.—Malformations.																			
150	Congenital malformation (stillbirths excluded): 1. Hydrocephalus..... 2. Meningocele..... 3. Open foramen ovale..... 4. Spina bifida..... 5. Thymus, hypertrophy of.....	1				1												2	
	Total.....	1	3			1							2			1		3	
XI.—Early infancy.																			
151	Congenital debility, icterus, sclerema, etc.: 1. Atelectasis..... 2. Congenital debility..... 3. Icterus..... 4. Marasmus and malassimilation..... 5. Prematurity.....					1													
						1													
										</									

152 Other diseases peculiar to early Infancy:

1. Asphyxia neonatorum.
2. Umbilical hemorrhage.

153

Infantile (under 3 months).....

Total.....

XII.—Old age.

154

Senile debility.....

Senile dementia.....

Total.....

XIII.—External causes.

155

Suicide by poison:

1. Aqua ammonia.
2. Carbolic acid.
3. Mercury, bichloride.
4. Potassium cyanide.
5. Strychnia.

Suicide by asphyxia (illuminating gas).....

Suicide by hanging.....

Suicide by drowning.....

Suicide by firearms.....

Suicide by cutting instruments.....

Suicide by jumping from high places.....

Suicide by crushing.....

Other suicides.....

Fractures.....

Dislocations.....

Accidental traumatism:

1. Bicycle accident.
2. Buried under falling material.
3. Decapitated by wire rope.
4. Elevator accidents.
5. Falls.
6. Gunshot accidents.
7. Kicked by horse.
8. Railroad accidents (steam).
9. Railroad accidents (street).
10. Runaway horse.
11. Run over by vehicles.
12. Steamboat collision.
13. Struck by falling bodies.
14. Traumatic meningitis.
15. Traumatic tetanus.
16. Thrown from horse.

Burns and scalds.....

Burns from corrosive substances.....

Sunstroke (heat stroke).....

TABLE 1b.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to months and classified with reference to race, sex, and causes of death—Continued.

Classi- fication No.	Cause of death.	July.			August.			September.			October.			November.			December.				
		W.		C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.					
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
XIII.—External causes—Continued.																					
170	Freezing.....																				
171	Electric shock.....																				
172	Drowning.....	3	4		2	4		4	2		3	2			2		1				
173	Starvation.....																				
174	Absorption of deleterious gases: 1. Asphyxia, narcosis..... 2. Asphyxia, illuminating gas.....																				
175	Other acute poisoning: 1. Alcohol poison..... 2. Carbolic acid..... 3. Potomac poison..... 4. Wood alcohol.....		1													1					
176	Other external violence: 1. Homicide..... 2. Legal hanging..... 3. Overlain by mother..... 4. Prolonged labor (child)..... 5. Suffocation.....		2	1		1			2	2	2		1	1	3	2					
	Total.....	17	6	14	4	9	6	14	5	19	8	5	2	12	1	7	3	13	6	7	1
XIV.—Ill-defined diseases.																					
177	Dropsy.....																				
178	Sudden death.....				1																
179	Unspecified or ill-defined causes of death: 1. General debility..... 2. Inanition (3 months and over)..... 3. Marasmus and malassimilation (3 mos. and over)..... 4. Overexertion.....		1	1	1	1															
	Total.....	1	2	2	3	4	5	6	4	1	3	1		2	1	2	1	3	4	1	2

RECAPITULATION.

I. General diseases.....	32	35	39	37	35	34	21	30	26	39	22	21	43	31	25	36	43	33	24	27	48	35	26	29
II. Diseases of nervous system and organs of special sense.....	20	16	14	8	17	3	7	7	10	10	4	5	13	7	3	10	21	12	6	9	28	10	8	6
III. Diseases of circulatory system.....	13	10	16	9	18	11	6	10	21	17	7	8	27	24	13	13	18	20	9	8	28	12	10	12
IV. Diseases of respiratory system.....	3	4	6	9	4	3	6	8	6	13	12	6	12	11	13	12	16	18	17	12	21	17	22	15
V. Diseases of digestive system.....	43	44	41	40	27	17	18	30	21	15	13	13	13	12	8	12	13	13	8	9	8	6	7	7
VI. Diseases of genito-urinary system.....	13	12	6	8	14	9	5	7	16	9	11	7	23	15	4	11	21	8	13	5	11	9	11	11
VII. The puerperal state.....	2	2	1	2	1	1	1	3	2	2	2	2	2	2	2	2	1	4	4	1	1	1	2	2
VIII. Diseases of the skin and cellular tissue.....	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
IX. Diseases of organs of locomotion.....	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2
X. Malformations.....	13	7	5	6	9	10	3	5	11	6	6	5	11	3	13	7	7	6	9	2	10	6	5	1
XI. Early infancy.....	9	6	3	3	4	5	1	1	4	4	1	2	4	8	4	1	4	7	2	5	6	8	5	5
XII. Old age.....	17	6	14	4	9	6	14	5	19	8	5	2	12	1	7	3	18	5	7	1	13	6	7	1
XIII. External causes.....	1	1	2	2	3	4	5	6	4	1	3	1	1	2	1	2	1	3	1	4	1	2	1	1
XIV. Ill-defined diseases.....	1	1	2	2	3	4	5	6	4	1	3	1	1	2	1	2	1	3	1	4	1	2	1	1
Total deaths from all causes.....	169	148	142	129	141	103	87	113	140	124	84	73	158	117	88	109	164	130	95	83	177	112	95	95
Total deaths from all causes, by race.....	317		271		244		200		264		157		275		197		294		178		289		190	
Percentage by race to total mortality, and by months.....	5.17		4.42		3.98		3.98		4.30		2.56		4.48		3.29		4.79		2.90		4.71		3.09	
Grand aggregate, and by months.....		588				444			421				472					472				479		
Death rate per 1,000 inhabitants, by months.....		1.73				1.31			1.24				1.39					1.39				1.41		

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths.

[illegible]

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths

[illegible]

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

Cause of death.		Under 1 year.		1 year.		2 years.		3 years.		4 years.		Total under 5 years.			Percentage of each cause to total mortality under 5 years.	5 to 9 years.		10 to 19 years.		20 to 29 years.		30 to 39 years.		40 to 49 years.		50 to 59 years.		60 to 69 years.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		W.		C.		W.		C.		W.		C.		Total by race.			W.		C.		W.		C.		W.		C.		W.		C.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.		F.	W.	C.	All.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.		F.	W.	C.	All.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
I. General diseases—Continued.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
45	Cancer and other malignant tumors of other organs (unclassified)—Continued.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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	18. Pelvis.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	19. Prostate.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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46	Other tumors.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
47	Rheumatism, acute, articular.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
48	Rheumatism, chronic (gout).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
49	Scurvy.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
50	Diabetes.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
51	Exophthalmic goiter.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
52	Addison's disease.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
53	Leukemia.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
54	Anemia and chlorosis.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
55	Other general diseases.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
56	Alcoholism.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
57	Chronic lead poisoning.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
58	Other chronic poisoning, occupational.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
59	Other chronic poisoning.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Total.		12	15	30	26	15	6	5	13	8	8	5	6	3	2	7	6	10	4	5	4	48	35	52	55	83	107	190	13.21	14	5	14	13	12	29	34	51	73	53	74	103	83	55	71	65	64	65	45	47	66	55	32	24	60	74	24	25	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
II.—Diseases of nervous system and organs of special sense.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
60	Encephalitis.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
61	Meningitis:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	1. Epidemic cerebro-spinal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	2. Other forms (simple).	1	5	3	1	2	3	2	1	1	1		1		1		4	9	3	2	3	12	2	5	6	17	42	1	1	3	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

[illegible]

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

[illegible]

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

Classification No.	Cause of death.	Under 1 year.		1 year.		2 years.		3 years.		4 years.		Total under 5 years.			Percent- age of each cause to total mortality under 5 years.	5 to 9 years.		10 to 19 years.		20 to 29 years.		30 to 39 years.		40 to 49 years.		50 to 59 years.		60 to 69 years.				
		W.		C.		W.		C.		W.		C.		Total by race.		W.		C.		W.		C.		W.		C.		W.		C.		
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.		F.	W.	C.	All.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	IX.—Diseases of organs of locomotion.																															
146	Nontuberculous diseases of bones:																															
	1. Abscess, alveolar sinus																															
	2. Abscess, ethmoidal			1										1	1				1		1						1					
	3. Mastoiditis (and abscess)							1																			1					
	4. Necrosis of bones																										1					
	5. Osteomyelitis																															
	6. Ischitis			2				2						4	1				1									1				
147	Arthritis and other diseases of joints (tuberculosis and rheumatism excepted)																															
148	Amputations																															
149	Other diseases of organs of locomotion																															
	Total			3				2						1	5	1		1	6	7							1	1		1		
	X.—Malformations.																															
150	Congenital malformation (stillbirths excluded):																															
	1. Hydrocephalus	2								1				2	1			3		3												
	2. Meningocele		1															1														
	3. Open foramen ovale	12	3	2	1			1						12	4	2	1	16	3	19												
	4. Spina bifida	1	2											1	2			3		3												
	5. Thymus, hypertrophy of		1												1			1		1												
	Total	15	7	2	1			1						15	9	2	1	24	3	27												
	XI.—Early infancy.																															
151	Congenital debility, icterus, sclerema, etc.:																															
	1. Atelectasis	3		1	1									3		1	1	3	2	5												
	2. Congenital debility	6	5	2	1									6	5	2	1	11	3	14												
	3. Icterus	6		1	1									6		1	1	6	2	8												
	4. Marasmus and malassimilation	20	10	17	4									20	10	17	4	30	21	51												
	5. Prematurity	61	47	51	43									61	47	51	43	108	94	202												
152	Other diseases peculiar to early infancy:																															
	1. Asphyxia neonatorum	1	1	1	2									1	1	1	2	2	3	5												
	2. Umbilical hemorrhage	2	2											2	2			4	4													
153	Inanition (under 3 months)	11	10	10	5									11	10	10	5	21	15	36												
	Total	110	75	83	57									110	75	83	57	185	140	325												
	XII.—Old age.																															
154	Senile debility																										1			1	5	4
	Senile dementia																										1	1		1	1	2
	Total																										1	1		2	6	6
	XIII.—External causes.																															
155	Suicide by poison:																															
	1. Aqua ammoniac																										1			1		
	2. Carbolic acid																										2	3				
	3. Mercury, bichloride																															
	4. Potassium cyanide																															
	5. Strychnia																															
156	Suicide by asphyxia (illuminating gas)																															
157	Suicide by hanging																															
158	Suicide by drowning																															
159	Suicide by firearms																															
160	Suicide by cutting instruments																															
161	Suicide by jumping from high places																															
162	Suicide by crushing																															
163	Other suicides																															
164	Fractures																															
165	Dislocations																															
166	Accidental traumatism:																															
	1. Bicycle accident																															
	2. Buried under falling material																															
	3. Decapitated by wire rope																															
	4. Elevator accident																															
	5. Falls																															
	6. Gunshot accidents																															
	7. Kicked by horse																															
	8. Railroad accidents (steam)																															
	9. Railroad accidents (street)																															
	10. Runaway horse																															
	11. Run over by vehicles																															

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

[illegible]

TABLE 1c.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to ages of decedents and classified with reference to race, sex, and causes of deaths—Continued.

[illegible]

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death.

Classi-
fication
No.

Classification No.	Cause of death.	MARITAL RELATIONS.																NATIVITY.																			
		Married.				Single.								Widow or widower.				Unknown.				District of Columbia.				Other parts of the United States.				Foreign.				Unknown.			
		White.		Colored.		White.				Colored.				White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
						Under 15 years.	15 years and over.	Under 15 years.	15 years and over.	Under 15 years.	15 years and over.	Under 15 years.	15 years and over.																								
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
	I.—General diseases.																																				
1	Typhoid fever.....	24	10	3	4	7	5	20	16	6	4	13	5	6	1							23	15	13	4	21	19	9	10	7	3						
2	Exanthematous typhus.....																																				
3	Recurrent fever.....																																				
4	Malarial cachexia (intermittent and remittent fevers).....	1	1	2		1				1			1	1	1								2	1	1			2	1								
5	Variola.....																																				
6	Measles.....					1	1																1		1												
7	Scarlatina.....					5	3																														
8	Whooping cough.....					3	6			15	14																										
9	Diphtheria (and croup).....					11	4			2	5																										
10	Grippe (epidemic influenza).....	24	10	19	13	4	4	5	14	2	3	6	8	5	25	8	12		1			8	3	6	4	3	1	2	1						2		
11	Miliary fever (sweating).....																																				
12	Asiatic cholera.....																																				
13	Cholera morbus (nostras).....																																				
14	Dysentery.....	2	1	1	1	2		2				2		2		1						1		2	3	3	1	2	1			1					
15	Pest (plague or bubonic plague).....																																				
16	Yellow fever.....																																				
17	Leprosy.....																																				
18	Erysipelas.....	2	1	2		2		1		2		2		1	1	1						3		4		3	2	3									
19	Other epidemic affections.....																																				
20	Purulent infection (pyemia and septicemia).....	1	2	2	1	1		1		1				1		1						2				1		3	2	1	1			1			
21	Glanders and farcy.....																																				
22	Malignant pustule and charbon (anthrax).....																																				
23	Rabies (hydrophobia).....																																				
24	Actinomycosis, trichinosis, etc.....																																				
25	Pellagra.....																																				
26	Tubercle of the larynx.....	3	2	2		4	1			27	27	87	76	15	27	13	22	4				2	1			1	2	2									
27	Tubercle of the lungs.....	75	59	78	79	4	7	77	33	6	8											67	43	82	97	77	66	122	104	27	15			4	2		
28	Tubercle of the meninges.....	2	1	1		12	10															10	7	5	7	4	4	3	1								
29	Tubercle of abdominal region.....	3	2	2	7	2	1					2	2									3	1		4	1	1	4	8	2	1						
30	Pott's disease.....		1		1	1				1	1					1						2	2		1	3											
31	Cold abscess and psoas abscess.....																																				
32	White swelling.....					1		3	1			1										2			1	2	1	2	1								
33	Tubercle of other organs.....		1	1	1			2	1	1		1										1		1	2	2	1	1									
34	Generalized tuberculosis.....	1	1		1	1		2	2	1	4	1	4									1	2	2	5	1	1		4	1							
35	Scrofula.....																																				
36	Syphilis:																																				
	1. Congenital.....					5	1			9	10											5	1	9	10												
	2. Constitutional.....	1		1				2	1			1	3			3																					
37	Gonorrhea, 5 years and over.....																																				
38	Gonorrhea, under 5 years.....																																				
39	Cancer and other malignant tumors of the buccal cavity:																																				
	1. Of jaw.....	1	1	2				1						1												2	1	1		1					1		
	2. Of tongue.....							1																													
	3. Of tonsil.....	1	1																			1			1												
40	Cancer of the stomach and liver:																																				
	1. Of esophagus.....	2																																			
	2. Of liver.....	11	6	2					2			2	1	6		2	1					1	2		1	9	9	2	3	2	3						
	3. Of stomach.....	16	3	5	4			5	2					5	12	2	3					2	2		1	11	14	7	6	13	1			1			
41	Cancer of peritoneum, intestines, etc.:																																				
	1. Of intestines.....	3	6	1	1			2	2					1	4		1					2	2			2	4	1	2	2	5			1			
	2. Of mesentery.....	1																																			
	3. Of omentum.....																																				
42	Cancer of female genital organs:																																				
	1. Of ovary.....																																				
	2. Of uterus.....																																				
	3. Of vagina and vulva.....		9		10								3																								
43	Cancer of breast.....																																				
44	Cancer of skin:																																				
	1. Of ear.....									</																											

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TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

Classification No.	Cause of death.	MARITAL RELATIONS.												NATIVITY.																							
		Married.				Single.				Widow or widower.				Unknown.				District of Columbia.				Other parts of the United States.				Foreign.				Unknown.							
		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.					
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.				
II.—Diseases of nervous system and organs of special sense—Con.																																					
74	Other diseases of the nervous system—Continued.																																				
	b. Of the nervous system—																																				
	1. Aphasia.....	1																																			
	2. Hysteria.....		1																																		
	3. Neurasthenia.....			1																																	
	4. Neuritis.....																																				
75	Diseases of the eye and its adnexa.....	2																																			
76	Diseases of the ear.....	1				1	1																														
	Total.....	103	41	47	32	26	14	47	21	18	24	13	11	44	64	16	41	4	1	3	48	36	30	33	122	71	62	71	47	33	1	1	7	1	4	3	
III.—Diseases of the circulatory system.																																					
77	Pericarditis.....		1																																		
78	Endocarditis and myocarditis.....	14	6	4	6		1	10	5					9	10			2	2					2	5	4	4	19	13	4	5	13	4		1		
79	Organic disease of the heart:																																				
	1. Fatty degeneration.....	4	2						2						2	5							1			1		6	6	5		4	2		1		
	2. Hypertrophy and dilatation.....	6	6	3	1			1	2						2	5	1	5						4	1	1		6	5	4	5	4	2				
	3. Valvular disease.....	86	35	64	31	4	6	23	23		3	12	15	36	40	20	41	9	2	5	1	29	20	10	24	73	59	80	60	50	23	1	1	5	1		
80	Angina pectoris.....	7	2					3	2					1	5	1						1	2	1			9	7									
81	Diseases of arteries, aneurism, atheroma:																																				
	1. Aneurism.....	1	1					2						1								6				2	2	2	2						1		
	2. Arteriosclerosis.....	19	4	3	1			4	2					17	18	2	8			1		1	7		1		22	10	6	8	12	7					
82	Embolism and thrombosis.....	4	2	3										1	4	1	1					1		1			4	6	3	2		1					
83	Diseases of the veins (varices, hemorrhoids).....																																				
84	Diseases of lymphatic system (lymphangitis).....																																				
85	Hemorrhages:																																				
	1. Hemophilia.....																																				
	2. Purpura hemorrhagica.....					3	3																														
86	Other diseases of the circulatory system.....																																				
	Total.....	141	59	77	41	7	10	43	37	1	5	19	18	68	89	25	57	11	2	7	2	43	43	18	30	141	109	99	84	80	41	1	1	6	4	11	8
IV.—Diseases of the respiratory system.																																					
87	Diseases of the nasal fossæ.....																																				
88	Diseases of the larynx:																																				
	1. Edema of glottis, of larynx.....					2			2																												
	2. Laryngitis.....	1																																			
89	Diseases of the thyroid body.....																																				
90	Bronchitis, acute, and under 5 years.....		1			3	5				10	11			4		1						4	4	10	10		6		3							
91	Bronchitis, capillary.....			1		2	1				16	17	1				1						2	1	17	16		1		1							
92	Bronchitis, chronic, and over 5 years.....	14	3	1							3	18	2		3	16	1	3	1					2	2	3	10	13	2	3	7	7					
93	Pneumonia, broncho, lobular, catarrhal.....	3	3	6	1			3			3	18	24	7	1	4	14						18	13	20	25	8	12	11	3	5	7					
94	Pneumonia, lobar, croupous, etc.....	31	22	25	1	22	22	23	21	11	52	56	19	14	16	20	7	19		2		32	29	57	72	38	36	45	38	1	11						
95	Pleurisy, empyema, etc.....	4	3	1		2	4	9		1	6	2		2			2	1				3	1	6	3	2	4	1	2								
96	Pulmonary congestion.....	6	3	1		1	1							3	1	3						1	10	6	3	5	1	3	2								
97	Pulmonary edema and apoplexy.....	3	3	2		1	1							1		2	1					2	1	1	2	1	1	1	1								
98	Pulmonary gangrene.....													1		1						1		1	1		2	1									
99	Asthma.....	2																				1	1	1	1		2	1									
100	Emphysema of lungs.....		1																			1		9	1	4	1	7	1	2	1						
101	Other diseases of respiratory system (phthisis excepted).....	4		7	1									7	1	3	2	1				1		1	1	1	4	1	7	1	2	1					
	Total.....	68	36	44	30	53	52	30	20	103	114	38	21	27	60	15	30	1		3		67	62	124	135	69	78	75	58	38	28			5		4	2
V.—Diseases of the digestive system.																																					
100	Diseases of the mouth and its adnexa.....		1																																		
101	Diseases of the pharynx.....		1			1																															
102	Diseases of the esophagus.....	1																																			
103	Gastric ulcer.....	6		2										1	1																						
104	Other diseases of the stomach (cancer excepted):																																				
	1. Gastritis.....	10	1	6	6	3	2	5	2	7	3			2	8	4	7					7	3	8	6	7	8	6	8	10	4	4					
	2. Indigestion, acute.....	9	3	8	8	1	2	3	1	4	7	1		2	8		4	3				4	4	7	7	8	5	6	12	3	5						
105	Diarrhea and enteritis (under 2 years):																																				
	1. Cholera infantum.....					26	18				20	17																									
	2. Diarrhea.....					1	1				11	7																									
	3. Enteritis.....					21	24				19	16																									
	4. Gastro-enteritis.....					41	26				42	43																									

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

Classification No.	Cause of death.	MARITAL RELATIONS.																NATIVITY.																																			
		Married.				Single.								Widow or widower.				Unknown.				District of Columbia.				Other parts of the United States.				Foreign.				Unknown.																			
		White.		Colored.		White.				Colored.				White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.																					
						Under 15 years.		15 years and over.		Under 15 years.		15 years and over.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.																					
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.																						
	V. Diseases of the digestive system—Continued.																																																				
106	Diarrhea and enteritis (2 years and over):																																																				
	1. Diarrhea.....			2	1			1	1			2		1	2	4		2																																			
	2. Enteritis.....	4	2		1	1	1	2	1	1		2	2	1	5	2	1																																				
	3. Gastro-enteritis.....	5	4	1	2		2	1			2	1		1	5																																						
107	Parasites, intestinal.....																																																				
108	Hernias and intestinal obstruction:																																																				
	1. Hernia.....		2	2				2	1	2	1		1	4	1																																						
	2. Intestinal obstruction.....	4	5	1	2	1	2	1	1	2		1		4	1	3																																					
	3. Intussusception and volvulus.....	2			1											3																																					
	4. Rupture of diaphragm.....														1																																						
109	Other diseases of the intestines:																																																				
	1. Fistula.....		2	1	3																																																
	2. Foreign body in intestines.....	1																																																			
	3. Intestinal gangrene.....	1																																																			
	4. Intestinal hemorrhage.....						1								1																																						
110	Yellow atrophy of liver, acute.....																																																				
111	Hydatid tumor of liver.....	14	6	3	1			5	3			1	5	6	2	1	1	1																																			
112	Cirrhosis of liver.....	2	2											1																																							
113	Biliary calculi.....																																																				
114	Other diseases of the liver:																																																				
	1. Hepatic abscess.....	1	1					1		1					1																																						
	2. Hepatitis.....		2		1									2		1																																					
115	Diseases of the spleen.....	1	1																																																		
116	Peritonitis (nonpuerperal).....	2	3	2	8	1		3	1	2	2		4		2		2	1																																			
117	Other diseases of digestive system (cancer and tuberculosis excepted).....																																																				
118	Appendicitis.....	3	1																																																		
	Total.....	69	42	29	36	100	80	27	13	112	106	4	16	19	48	7	20	6	2		1	116	90	113	114	73	71	31	64	28	21	1		4	3	2	1																
	VI.—Diseases of genito-urinary system.																																																				
119	Nephritis, acute.....	12	6	15	5	3	1	1	3	5	4	3	3	6	4		1	3																																			
120	Nephritis, chronic interstitial.....	103	43	43	30				40	12	4	2	3	11	32	45		12	3	25	4	1	2	1		6	32	6	20	8	10	4	12	105	4	63	51	10	54	3	38	2	16		1		1	5	2	8		2	3
121	Other diseases of kidneys and their adnexa:																																																				
	1. Cystic degeneration of kidneys.....		1		1																																																
	2. Dislocation of kidneys.....																																																				
	3. Hematuria.....																																																				
	4. Pyelitis (abscess, etc.).....	4	4		2			1	1						2	2																							</														

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

[illegible]

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

[illegible]

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1908, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

Classi- fication No.	Cause of death.	MARITAL RELATIONS.																NATIVITY.																			
		Married.				Single.								Widow or widower.				Unknown.				District of Columbia.				Other parts of the United States.				Foreign.				Unknown.			
		White.		Colored.		White.				Colored.				White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
						Under 15 years.		15 years and over.		Under 15 years.		15 years and over.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.		
177	Dropsy.....			1	1							1														1	2										
178	Sudden death.....																																				
179	Unspecified or ill-defined causes of death:																																				
	1. General debility.....	1				2	1			2		3	2		1	1	1	1	2						1	2	1	2								1	
	2. Inanition (3 months and over).....					18	16				16	19													16	13	15	19	2	3	1						
	3. Marasmus and malassimilation (3 months and over).....																									1											
	4. Over exertion.....	1																																			
	Total.....	2		1	1	20	17		2	19	21		2	1	1	1	2							19	15	18	21	4	5	3	4					1	
	RECAPITULATION.																																				
	I. General diseases.....	224	157	132	131	64	48	146	96	78	85	115	113	42	135	33	69	7	1	5	2	178	143	147	183	208	229	211	209	89	60		1	8	5	5	7
	II. Disease of nervous system and organs of special sense.....	103	41	47	32	26	14	47	21	18	24	13	11	44	64	16	41	4	1	3		48	36	30	33	122	71	62	71	47	33	1	1	7	1	4	3
	III. Diseases of circulatory system.....	141	59	77	41	7	10	43	37	1	5	19	18	68	89	25	57	11	2	7	2	43	43	18	30	141	109	99	84	80	41	1	1	6	4	11	8
	IV. Diseases of respiratory system.....	68	36	44	30	53	52	30	20	103	114	38	21	27	60	15	30	1		3		67	62	124	135	69	78	75	58	38	28			5		4	2
	V. Diseases of digestive system.....	69	42	29	36	100	80	27	13	112	106	4	16	19	48	7	20	6	2		1	116	90	118	114	73	71	31	64	28	21	1		4	3	2	1
	VI. Diseases of genito-urinary system.....	129	63	61	48	5	2	45	21	6	6	15	21	45	49	14	30	4	1	2	1	43	28	20	18	126	85	69	81	52	21	1	1	7	2	8	6
	VII. The puerperal state.....		23		22				1				8				1					1				14		4	4		2	1					1
	VIII. Diseases of skin and cellular tissue.....	5	2	1	1			1	1	8		2	2	2	1	1	2	1				1	2	6	2	1	3	1	3			1			1		
	IX. Diseases of organs of locomotion.....	3	1		2	16	9		3	2	1						1					15	8	2	1	1	1										
	X. Malformations.....					110	75			83	57											107	72	63	57	3	3										
	XI. Early infancy.....			14	3			5	10			2	1	31	57	15	30	1				7	10	1	5	27	42	24	26	22	22			4	2	6	3
	XII. Old age.....	23	9			31	13	50	10	19	11	26	7	14	18	4	6	18				49	20	32	13	79	27	50	15	35	10			19	4	12	5
	XIII. External causes.....	69	20	32	7	20	17		2	19	21			2	1	1	2				19	15	18	21	4	5	3	4									1
	XIV. Ill-defined diseases.....	2		1	1																																
	Total deaths from all causes.....	836	453	438	354	432	321	394	235	450	431	234	221	293	523	131	289	53	7	33	8	694	537	600	625	860	741	629	637	393	240	4	4	61	21	53	37
	Total from all causes, by race.....	1,289		792		753		629		881		455		816		420		60		41		1,231		1,225		1,601		1,266		633		8		82		90	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JANUARY.

Day of month.	Color.	Deaths, less those by violence.	Deaths due to external causes.			Minor contagious diseases.			Diarrheal diseases.	Dysentery.	Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
			Accidents and negligence.	Homicides.	Suicides.	Sunstroke.	Scarlet fever.	Diphtheria and croup.													Measles.	Whooping cough.	Under 2 years.	2 years and over.	Under 2 years.	2 years and over.
1	W. C.	14 3	1 1										2 4					8 2	15 4	19
2	C. W.	16 4											2 4					14 20	20 9	29
3	W. C.	24 9					1						1 3		1			13 19	24 9	33
4	C. W.	9 1	1 1						1 1				3 3		1			7 7	9 16	26
5	W. C.	15 11											3 3					3 3	10 11	24
6	C. W.	13 11					1						2 3					8 6	13 11	20
7	W. C.	13 9	2		1								2 2		1			7 10	9 16	29
8	C. W.	13 11											3 1		1			8 6	13 11	17
9	W. C.	5 8	1 2										2 2		1			3 4	6 10	13
10	C. W.	12 10			1								1 1					2 8	3 13	23
11	W. C.	24 7	1					1					2 1		1			5 22	10 24	32
12	C. W.	14 10											1 3					5 3	8 10	24
13	W. C.	9 10	1										3 1		1			3 7	10 10	20
14	C. W.	10 6											1 3		1			5 7	10 10	16
15	W. C.	6 7	1			1				1			2 1					3 6	6 10	17
16	C. W.	7 10			1								1 1					5 9	7 11	18
17	W. C.	6 8											2					5 3	7 6	14
18	C. W.	9 5											1 1		1			8 3	8 5	14
19	W. C.	5 4											2					5 3	5 5	9
20	C. W.	10 10	2 1										1 1					2 9	4 12	19
21	W. C.	11 8	2		1								2 2			1		4 6	7 13	21
22	C. W.	10 9											1 1					9 4	8 10	19
23	W. C.	7 7											3		1			5 6	7 9	14
24	C. W.	6 3			2								1 1		1			5 3	7 8	12
25	W. C.	9 9	1 1										1 1					3 7	4 10	20
26	C. W.	12 8									1		2 2					6 10	10 12	20
27	W. C.	9 5											1 1					6 7	8 9	14
28	C. W.	9 4							1				2 2					7 3	5 9	13
29	W. C.	7 6	3									1						8 5	4 10	16
30	C. W.	13 13	1										1 2		1			2 6	10 13	27
31	W. C.	6 6											1 1					4 4	7 7	13
Total.	W. C.	339 230	22 7	1 1	5		2		2 1	1	2	2	30 38	39 41	6 9	2 1	3	251 135	367 238	605

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions.

JANUARY.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			S a. m.	S p. m.			
		42	31		36						0	1
		50	30		40						0	2
		41	28		34						0	3
		41	29		35						.10	4
		41	23		32						0	5
		41	21		31						0	6
		42	25		34						1.33	7
		44	33		38						.01	8
		36	23		30						0	9
		36	18		27						0	10
		48	22		35						.06	11
		58	43		50						1.17	12
		44	38		41						T.	13
		38	31		34						0	14
		44	26		35						0	15
		45	28		36						T.	16
		39	23		31						0	17
		40	28		34						0	18
		49	27		38						0	19
		53	25		39						0	20
		55	30		42						0	21
		58	38		48						0	22
		38	21		30						.18	23
		30	18		24						.04	24
		44	21		32						0	25
		52	26		39						.01	26
		44	28		36						.35	27
		40	26		33						T.	28
		39	20		30						T.	29
		24	12		18						0	30
		26	11		18						.20	31
30.04		42.6	25.9		34.2			Northwest.		6803	3.45	

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

FEBRUARY.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
.....	42	20	.....	31	.....	.....	.....	.....	.....	0.79	1
.....	26	14	.....	20	.....	.....	.....	.....	.....	0	2
.....	34	12	.....	23	.....	.....	.....	.....	.....	0	3
.....	29	18	.....	24	.....	.....	.....	.....	.....	0	4
.....	24	15	.....	20	.....	.....	.....	.....	.....	.80	5
.....	46	24	.....	35	.....	.....	.....	.....	.....	0	6
.....	35	26	.....	30	.....	.....	.....	.....	.....	0	7
.....	26	16	.....	21	.....	.....	.....	.....	.....	0	8
.....	25	6	.....	16	.....	.....	.....	.....	.....	0	9
.....	32	8	.....	20	.....	.....	.....	.....	.....	0	10
.....	43	28	.....	36	.....	.....	.....	.....	.....	0	11
.....	42	35	.....	38	.....	.....	.....	.....	.....	0	12
.....	41	35	.....	38	.....	.....	.....	.....	.....	.34	13
.....	43	32	.....	38	.....	.....	.....	.....	.....	.07	14
.....	67	37	.....	52	.....	.....	.....	.....	.....	.25	15
.....	39	32	.....	36	.....	.....	.....	.....	.....	T.	16
.....	34	27	.....	30	.....	.....	.....	.....	.....	0	17
.....	36	21	.....	28	.....	.....	.....	.....	.....	T.	18
.....	38	28	.....	33	.....	.....	.....	.....	.....	.81	19
.....	36	27	.....	32	.....	.....	.....	.....	.....	T.	20
.....	38	22	.....	30	.....	.....	.....	.....	.....	0	21
.....	34	23	.....	28	.....	.....	.....	.....	.....	0	22
.....	38	23	.....	30	.....	.....	.....	.....	.....	.08	23
.....	36	25	.....	30	.....	.....	.....	.....	.....	0	24
.....	40	24	.....	32	.....	.....	.....	.....	.....	.02	25
.....	52	35	.....	44	.....	.....	.....	.....	.....	.82	26
.....	41	29	.....	35	.....	.....	.....	.....	.....	0	27
.....	32	23	.....	28	.....	.....	.....	.....	.....	0	28
.....	44	28	.....	36	.....	.....	.....	.....	.....	0	29
30.14	37.7	23.9	.....	30.8	.....	.....	Northwest		6,257	3.98	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

MARCH.

Day of month.	Color.	Deaths less those by violence.		Deaths due to external causes.				Minor contagious diseases.				Diarrheal diseases.		Dysentery.		Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
				Accidents and negligence.	Legal hanging.	Homicides.	Suicides.	Sunstrokes.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.	Under 2 years.	2 years and over.	Under 2 years.											2 years and over.
1.....	W.	7	1															2	1	2	1	7	8	20	
2.....	C.	12						1										2	3	1		6	12		
3.....	W.	11																1	2	2	1	4	4	11	
4.....	C.	8																3	1			7	7	11	
5.....	W.	9																1	2	1		5	8	9	
6.....	C.	11																2	2			7	7	11	
7.....	W.	7																2	2			3	3		
8.....	C.	16																1	1	1		13	16	25	
9.....	W.	8	1															1	1	1		7	7	9	
10.....	C.	10	1															2	1			8	11		
11.....	W.	9				1												1	1			6	10	21	
12.....	C.	16																3	4	1		14	16		
13.....	W.	17																2	2			10	17	33	
14.....	C.	16																3	2			12	16	25	
15.....	W.	9																3	2			4	9		
16.....	C.	12																1	2	1		9	12	20	
17.....	W.	8																1	2			5	8		
18.....	C.	16																2	2			10	16		
19.....	W.	4																3	2			1	4		
20.....	C.	11																2	1			6	13	24	
21.....	W.	13																1	1	1	2	12	13		
22.....	C.	8	1															1	1			4	9	22	
23.....	W.	6																1	1			5	7		
24.....	C.	7																1	1			7	7	14	
25.....	W.	15																1	1			13	15		
26.....	C.	10																2	1			6	10	25	
27.....	W.	6																1	2			10	10	16	
28.....	C.	9				1												1	2	1		9	13		
29.....	W.	12																2	1			4	8	21	
30.....	C.	8																1	1			5	10		
31.....	W.	9																1	1			4	10		
31.....	C.	7																2	1			5	10	17	
Total	W.	328					1		1				2	3	1		1	31	30	9	4	241	338	611	
	C.	267	5	1	3	3							1	3			1	43	53	12	3	148	273		

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

MARCH.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew-point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
		35	30	.....	32						0.20	1
		55	32	.....	44						.02	2
		48	32	.....	40						0	3
		46	26	.....	36						0	4
		41	26	.....	34						.10	5
		38	34	.....	36						.59	6
		64	37	.....	50						0	7
		56	31	.....	44						0	8
		45	33	.....	39						.27	9
		52	27	.....	40						0	10
		61	33	.....	47						0	11
		66	44	.....	55						T.	12
		66	36	.....	51						0	13
		66	47	.....	56						T.	14
		74	45	.....	60						.04	15
		62	41	.....	52						T.	16
		49	39	.....	44						T.	17
		51	42	.....	46						T.	18
		66	38	.....	52						.21	19
		38	30	.....	34						0	20
		46	25	.....	36						0	21
		56	32	.....	44						T.	22
		56	47	.....	52						.32	23
		65	46	.....	56						0	24
		57	41	.....	49						0	25
		75	40	.....	58						0	26
		80	58	.....	69						0	27
		73	62	.....	68						.05	28
		73	43	.....	58						.35	29
		52	40	.....	46						0	30
		50	42	.....	46						.30	31
30.12		56.8	38.0	.....	47.4			South.		5,875	2.45	

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

APRIL.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
.....	51	44	.....	48	.....	.....	.....	.....	.....	0.08	1
.....	63	38	.....	50	.....	.....	.....	.....	.....	.21	2
.....	41	32	.....	36	.....	.....	.....	.....	.....	T.	3
.....	51	33	.....	42	.....	.....	.....	.....	.....	0	4
.....	53	29	.....	41	.....	.....	.....	.....	.....	.03	5
.....	69	48	.....	58	.....	.....	.....	.....	.....	0	6
.....	77	44	.....	60	.....	.....	.....	.....	.....	0	7
.....	75	58	.....	66	.....	.....	.....	.....	.....	.43	8
.....	70	43	.....	56	.....	.....	.....	.....	.....	.07	9
.....	53	40	.....	46	.....	.....	.....	.....	.....	.15	10
.....	69	46	.....	58	.....	.....	.....	.....	.....	.01	11
.....	62	41	.....	52	.....	.....	.....	.....	.....	0	12
.....	78	40	.....	59	.....	.....	.....	.....	.....	0	13
.....	60	40	.....	50	.....	.....	.....	.....	.....	0	14
.....	64	47	.....	56	.....	.....	.....	.....	.....	.28	15
.....	63	38	.....	50	.....	.....	.....	.....	.....	.01	16
.....	57	35	.....	46	.....	.....	.....	.....	.....	0	17
.....	60	44	.....	52	.....	.....	.....	.....	.....	.10	18
.....	72	51	.....	62	.....	.....	.....	.....	.....	T.	19
.....	80	44	.....	62	.....	.....	.....	.....	.....	0	20
.....	60	43	.....	52	.....	.....	.....	.....	.....	0	21
.....	76	39	.....	58	.....	.....	.....	.....	.....	0	22
.....	83	55	.....	69	.....	.....	.....	.....	.....	0	23
.....	87	54	.....	70	.....	.....	.....	.....	.....	0	24
.....	76	57	.....	66	.....	.....	.....	.....	.....	.02	25
.....	85	58	.....	72	.....	.....	.....	.....	.....	0	26
.....	85	65	.....	75	.....	.....	.....	.....	.....	.03	27
.....	71	56	.....	64	.....	.....	.....	.....	.....	0	28
.....	76	46	.....	61	.....	.....	.....	.....	.....	0	29
.....	68	42	.....	55	.....	.....	.....	.....	.....	.17	30
29.98	67.8	45.0	.....	56.5	.....	.....	Northwest.		6663	1.59	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

MAY.

Day of month.	Color.	Deaths, less those by violence.	Deaths due to external causes.				Minor contagious diseases.				Diarrheal diseases.	Dysentery.		Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
			Accidents and negligence.	Homicides.	Suicides.	Sunstrokes.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.		Under 2 years.	2 years and over.										
1.....	W.	12	1													2					10	13	18
2.....	C.	5																			4	5	
3.....	W.	12	2													1	2				9	14	21
4.....	C.	7														2	1				4	7	
5.....	W.	5														1	1				3	5	12
6.....	C.	6	1																		4	7	
7.....	W.	7															2				4	7	16
8.....	C.	9														3	1				4	9	
9.....	W.	17														2	1				14	17	24
10.....	C.	7														1	1				3	7	
11.....	W.	8														1	1	1			6	8	20
12.....	C.	11			1											5	1				5	12	
13.....	W.	14	1													2	1	1		1	9	15	24
14.....	C.	9														1		1			6	9	
15.....	W.	4	2													1					8	9	15
16.....	C.	6																1			2	6	
17.....	W.	6	1																		6	6	
18.....	C.	11														3					3	7	13
19.....	W.	14															2				9	12	16
20.....	C.	4															1				3	4	
21.....	W.	13	1													2	2				2	6	20
22.....	C.	5	1													2	2	1			5	11	18
23.....	W.	11														1					7	7	
24.....	C.	7																			6	7	16
25.....	W.	9														2	2	1			4	9	
26.....	C.	4														1	1				3	4	10
27.....	W.	3	1																		4	6	
28.....	C.	5	2													1					5	9	17
29.....	W.	8														1	2				4	8	
30.....	C.	6																			7	8	13
31.....	W.	7															1	1			5	7	
1.....	C.	2																			4	4	6
2.....	W.	4																			3	4	10
3.....	C.	5														1					4	6	
4.....	W.	1																			3	4	10
5.....	C.	7																			4	6	
6.....	W.	8														1					5	8	17
7.....	C.	6															1				4	7	
8.....	W.	7																			5	7	13
9.....	C.	2																			4	4	6
10.....	W.	4																			2	2	
11.....	C.	8																			7	8	14
12.....	W.	6														1	1	1			3	6	
13.....	C.	8																			8	8	16
14.....	W.	9																			7	9	17
15.....	C.	4																			4	4	10
16.....	W.	12														1	1				4	6	
17.....	C.	10																			9	13	23
18.....	W.	6														3					6	10	
19.....	C.	8														2					4	6	14
20.....	W.	10																			5	8	
21.....	C.	6																			4	4	10
22.....	W.	8																			9	13	23
23.....	C.	12														1	2				6	10	
24.....	W.	10														2					5	8	14
25.....	C.	5	1																		9	12	17
26.....	W.	7																			1	5	
27.....	C.	5															4				3	7	12
28.....	W.	14														1					4	5	
29.....	C.	12																			11	14	26
30.....	W.	11														3					7	12	
31.....	C.	4																			9	11	16
1.....	W.	11																			4	5	
2.....	C.	7	1																		9	13	21
3.....	W.	9														1	1	1			4	8	14
4.....	C.	5																			8	9	
5.....	W.	4	1													1					3	5	
6.....	C.	11																			4	5	16
7.....	W.	5																			2	11	16
8.....	C.	5																			4	6	
9.....	W.	5																			3	5	
10.....	C.	5																			4	6	11
11.....	W.	5																			3	5	
12.....	C.	5																			4	6	11
13.....	W.	5																			3	5	
14.....	C.	5																			4	6	11
15.....	W.	5																			3	5	
16.....	C.	5																			4	6	11
17.....	W.	5																			3	5	
18.....	C.	5																			4	6	11
19.....	W.	5																			3	5	
20.....	C.	5																			4	6	11
21.....	W.	5																			3	5	
22.....	C.	5																			4	6	11
23.....	W.	5																			3	5	
24.....	C.	5																			4	6	11
25.....	W.	5																			3	5	
26.....	C.	5																			4	6	11
27.....	W.	5																			3	5	
28.....	C.	5																			4	6	11
29.....	W.	5																			3	5	
30.....	C.	5																			4	6	11
31.....	W.	5																			3	5	
32.....	C.	5																			4	6	11
Total.....	W.	265	10	1	5						3	5			5	1	17	26	2	3	203	281	500
	C.	210	7		2			2		3		3				44	20	7		122	219		

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

MAY.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
.....	56	39	.....	48	.....	.....	.....	.....	.....	0	1
.....	66	44	.....	55	.....	.....	.....	.....	.....	.04	2
.....	62	44	.....	53	.....	.....	.....	.....	.....	0	3
.....	52	42	.....	47	.....	.....	.....	.....	.....	.29	4
.....	55	45	.....	50	.....	.....	.....	.....	.....	.32	5
.....	50	46	.....	48	.....	.....	.....	.....	.....	.35	6
.....	64	47	.....	56	.....	.....	.....	.....	.....	1.01	7
.....	64	51	.....	58	.....	.....	.....	.....	.....	T.	8
.....	60	49	.....	54	.....	.....	.....	.....	.....	.04	9
.....	64	44	.....	54	.....	.....	.....	.....	.....	0	10
.....	82	42	.....	62	.....	.....	.....	.....	.....	0	11
.....	88	63	.....	76	.....	.....	.....	.....	.....	T.	12
.....	87	61	.....	74	.....	.....	.....	.....	.....	T.	13
.....	88	58	.....	73	.....	.....	.....	.....	.....	.06	14
.....	58	52	.....	55	.....	.....	.....	.....	.....	.13	15
.....	63	51	.....	57	.....	.....	.....	.....	.....	.01	16
.....	80	58	.....	69	.....	.....	.....	.....	.....	0	17
.....	78	60	.....	69	.....	.....	.....	.....	.....	T.	18
.....	74	61	.....	68	.....	.....	.....	.....	.....	1.20	19
.....	81	61	.....	71	.....	.....	.....	.....	.....	1.86	20
.....	75	64	.....	70	.....	.....	.....	.....	.....	T.	21
.....	84	64	.....	74	.....	.....	.....	.....	.....	T.	22
.....	81	66	.....	74	.....	.....	.....	.....	.....	.05	23
.....	85	63	.....	74	.....	.....	.....	.....	.....	0	24
.....	87	64	.....	76	.....	.....	.....	.....	.....	0	25
.....	88	68	.....	78	.....	.....	.....	.....	.....	0	26
.....	89	69	.....	79	.....	.....	.....	.....	.....	0	27
.....	92	67	.....	80	.....	.....	.....	.....	.....	0	28
.....	82	70	.....	76	.....	.....	.....	.....	.....	0	29
.....	83	66	.....	74	.....	.....	.....	.....	.....	.74	30
.....	85	64	.....	74	.....	.....	.....	.....	.....	0	31
29.94	74.3	56.2	.....	65.2	.....	.....	Northeast.		5135	6.10	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JUNE.

Day of month.	Color.	Deaths less those by violence. Accidents and negligence.	Deaths due to external causes.				Minor contagious diseases.			Diarrheal diseases.	Dysentery.	Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths, by color.	Total deaths.
			Legal hanging.	Homicides.	Suicides.	Sunstroke.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.	Under 2 years.	Under 2 years and over.	Under 2 years.	Under 2 years and over.							
1	W.	5	1											1	1				4	6	9
2	C.	3									1				1				2	3	5
3	W.	5		1	1									1	2				5	7	11
4	C.	4												1	1				5	6	15
5	W.	9												1	1				8	9	15
6	C.	6	1											3	1				5	7	14
7	W.	7												1	1		1		2	7	14
8	C.	12	1							1	1			1	1				10	13	22
9	W.	8			1							1		1					5	9	17
10	C.	6	1		1									2					6	10	17
11	W.	11												2	3				4	7	14
12	C.	3												1	1				2	3	14
13	W.	9	1										1	1	1				2	7	19
14	C.	8	1							1	2			2		1			2	9	19
15	W.	8												1	1				2	8	11
16	C.	5						1			1			2	1				3	5	10
17	W.	5												1	1				2	3	10
18	C.	8			1						1			2					5	9	14
19	W.	5												1	1				4	5	14
20	C.	8									1			2	2				5	9	16
21	W.	10										1		1	1		1		6	10	20
22	C.	9	1							3	1			2	1			1	3	10	20
23	W.	17	2		1					3	3			1	1	1	1		11	20	27
24	C.	7									3			1	1				2	7	27
25	W.	6											1	1	1		1		2	6	10
26	C.	4												1					2	6	10
27	W.	11					1				2			2	1				8	12	18
28	C.	6			2					2	1			1	1				3	6	14
29	W.	6									1			1	1	1			3	6	15
30	C.	7												1					5	7	15
31	W.	8												1	2				3	8	15
32	C.	7									2			2	1				5	7	13
33	W.	4	1		1					1	1			1	1				2	6	10
34	C.	9												1					8	8	26
35	W.	13	3							4	3			3	1				6	16	15
36	C.	6									2								3	6	9
37	W.	8			1						2								6	9	21
38	C.	13									3			1	1				10	13	26
39	W.	13									2			1	2				7	13	26
40	C.	9	1				3						2	1	1				7	13	24
41	W.	19								6	1			1	1				11	19	24
42	C.	5								1	1			1	1				1	5	19
43	W.	13								4	2			1	1				8	13	19
44	C.	10	2								3								6	12	15
45	W.	3									1								2	3	18
46	C.	9																	9	9	18
47	W.	8	1								2	1							5	9	18
48	C.	5	1								1				1				2	6	18
49	W.	10	1	1							2			2	1				5	12	16
50	C.	10									4								6	10	16
51	W.	6									1			1					3	6	16
Total	W.	263									34	3		24	7	2	2	1	183	284	492
	C.	190	11	1	1	2	9	3	1		2	5		29	11	4		2	100	208	

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

JUNE.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew-point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
.....	72	59	.....	66	.....	.....	.....	.....	.....	0	1
.....	80	56	.....	68	.....	.....	.....	.....	.....	0	2
.....	74	58	.....	66	.....	.....	.....	.....	.....	0.09	3
.....	67	58	.....	62	.....	.....	.....	.....	.....	.46	4
.....	78	57	.....	68	.....	.....	.....	.....	.....	0	5
.....	68	59	.....	64	.....	.....	.....	.....	.....	0	6
.....	81	52	.....	66	.....	.....	.....	.....	.....	0	7
.....	85	59	.....	72	.....	.....	.....	.....	.....	0	8
.....	87	64	.....	76	.....	.....	.....	.....	.....	.02	9
.....	82	65	.....	74	.....	.....	.....	.....	.....	T.	10
.....	73	61	.....	67	.....	.....	.....	.....	.....	.02	11
.....	82	56	.....	69	.....	.....	.....	.....	.....	0	12
.....	84	58	.....	71	.....	.....	.....	.....	.....	0	13
.....	84	66	.....	75	.....	.....	.....	.....	.....	0	14
.....	78	58	.....	68	.....	.....	.....	.....	.....	1.00	15
.....	74	54	.....	64	.....	.....	.....	.....	.....	0	16
.....	75	52	.....	64	.....	.....	.....	.....	.....	0	17
.....	78	58	.....	68	.....	.....	.....	.....	.....	0	18
.....	88	60	.....	74	.....	.....	.....	.....	.....	0	19
.....	89	70	.....	80	.....	.....	.....	.....	.....	0	20
.....	89	70	.....	80	.....	.....	.....	.....	.....	T.	21
.....	89	68	.....	78	.....	.....	.....	.....	.....	0	22
.....	94	68	.....	81	.....	.....	.....	.....	.....	0	23
.....	97	76	.....	86	.....	.....	.....	.....	.....	0	24
.....	85	71	.....	78	.....	.....	.....	.....	.....	.01	25
.....	80	64	.....	72	.....	.....	.....	.....	.....	0	26
.....	83	57	.....	70	.....	.....	.....	.....	.....	.08	27
.....	85	57	.....	71	.....	.....	.....	.....	.....	0	28
.....	92	67	.....	80	.....	.....	.....	.....	.....	0	29
.....	87	71	.....	79	.....	.....	.....	.....	.....	.05	30
30.06	82.0	61.6	.....	71.8	.....	.....	Northwest.		4281	1.73	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

JULY.

Day of month.	Color.	Deaths, less those by violence.					Deaths due to external causes.			Minor contagious diseases.			Diarrheal diseases.		Dysentery.		Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
		Accidents and negligence.	Homicides.	Suicides.	Sunstrokes.	Scarlet fever.	Diphtheria and group.	Measles.	Whooping cough.	Under 2 years.	Under 2 years.	Under 2 years and over.	Under 2 years.	Under 2 years.	Under 2 years and over.											
1.	W.	9								2			2					1					6	9	21	
2.	C.	12								1			1					2					3	12		
3.	W.	17	1							5			1				1	2					8	18	25	
4.	C.	7								1			1					2					3	7		
5.	W.	10								1			1					1					7	10	18	
6.	C.	8		1						2			2					1					3	8		
7.	W.	12								1			1					1					6	12	21	
8.	C.	11	1							5			1					2					6	13		
9.	W.	11		1						3			3				1	2			1		4	11	24	
10.	C.	12				1				4			4					1		1			6	13	25	
11.	W.	12								3			3					2					6	12		
12.	C.	8								3			3					2		1			6	10	17	
13.	W.	4				2				2			2					1					5	7	12	
14.	C.	8								1			1					1					6	8		
15.	W.	10	1							3			3										1	11	18	
16.	C.	7								4			4						2				5	7		
17.	W.	14								3			3					3					9	14	26	
18.	C.	11	1							1			1					1			1		8	12		
19.	W.	9		1						2			2										7	9	21	
20.	C.	10								2			2					2					6	12		
21.	W.	11	1	1						1			1					1		1			6	11	16	
22.	C.	10								1			1					2					3	5		
23.	W.	12								1			1					1					9	12	28	
24.	C.	14								1			1					3					5	16		
25.	W.	12	2							5			5					1		1			7	14	27	
26.	C.	11				1				3			3					2					4	13	12	
27.	W.	6								1			1					1					3	7		
28.	C.	3	1			1				1			1					2					2	5	15	
29.	W.	6								2			2										5	8		
30.	C.	8								3			3					2					9	15		
31.	W.	14								2			2					3					9	15		
	C.	8								5			5					2					5	10	23	
	W.	8								3			3					3					4	8		
	C.	9	1			1				3			3					1			1		5	10	20	
	W.	9								3			3										5	9	15	
	C.	6								4			4										6	10		
	W.	10								3			3										7	10		
	C.	11		1						4			4										6	12	22	
	W.	13	1							6			6										7	14	21	
	C.	3																1					6	3		
	W.	2																					1	2		
	C.	13	1							5			5					2					6	14	17	
	W.	11								2			2					2					1	3		
	C.	4	2																				1	2	16	
	W.	11																					6	14	17	
	C.	4								3			3										5	13		
	W.	11																					1	4		
	C.	4				1																	8	12	18	
	W.	8																					3	6		
	C.	12	1							3			3					5					8	13	21	
	W.	8																					4	8		
	C.	7								1			1					2					5	7	15	
	W.	9	1							1			1					4					2	7		
	C.	10				1				2			2					1					5	11	21	
	W.	6																					6	10		
	C.	9								1			1										6	6	15	
	W.	11								1			1										5	11	17	
	C.	6																3					4	6		
	W.	5								1			1										4	5	9	
	C.	4																1					3	4		
	W.	8				1				1			1										5	9	16	
	C.	7								2			2					3					2	7		
Total.	W.	296	8	7	6					66	7	1	1	7	26	3	3	2	3	2			182	317	588	
	C.	253	12	3	3				9	60	4			8	38	6	2	3	2			121	271			

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

JULY.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			s a. m.	s p. m.			
		90	69		80						0.01	1
		90	72		81						.03	2
		86	71		78						T.	3
		88	73		80						.24	4
		86	71		78						T.	5
		94	72		83						0	6
		94	72		83						.04	7
		81	64		72						0	8
		80	59		70						0	9
		79	60		70						0	10
		90	61		76						0	11
		99	68		84						.05	12
		96	70		83						0	13
		96	74		85						.06	14
		87	71		79						0	15
		81	62		72						0	16
		87	57		72						0	17
		91	72		82						T.	18
		91	76		84						0	19
		90	71		80						0	20
		88	69		78						.20	21
		87	70		78						.13	22
		89	71		80						.77	23
		88	69		78						.17	24
		88	70		79						.05	25
		81	71		76						.88	36
		78	68		73						.65	27
		84	68		76						0	28
		85	66		76						T.	29
		84	68		76						0	30
		80	72		76						.01	31
30.06		87	69		78			Northwest.		4539	3.29	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological
AUGUST.

Day of month.	Color.	Deaths, less those by violence. Accidents and negligence.	Deaths due to external causes.			Minor contagious diseases.			Diarrheal diseases.		Dysentery.	Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths, by color.	Total deaths.
			Homicides.	Suicides.	Strokes.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.	Under 2 years.	2 years and over.	Under 2 years.	2 years and over.								
1.....	W. C. C.	10	1							1				2		1			5	11	20
2.....	W. C. C.	8								4				1					2	9	15
3.....	W. C. C.	5								1				1					2	5	11
4.....	W. C. C.	13	1							2				4					8	14	21
5.....	W. C. C.	11							1	3				2					7	11	24
6.....	W. C. C.	11	1							1				2		1		1	4	12	16
7.....	W. C. C.	9	2							1				1					6	11	14
8.....	W. C. C.	8								1	1				2				2	8	15
9.....	W. C. C.	5	1							1				1					1	5	9
10.....	W. C. C.	4								1				2					1	4	11
11.....	W. C. C.	4	1							1				1					2	6	8
12.....	W. C. C.	3								2				3					2	9	24
13.....	W. C. C.	14	1							1				1	1				8	15	10
14.....	W. C. C.	4	1		1					1				2					4	5	14
15.....	W. C. C.	9								2				1	1				2	9	16
16.....	W. C. C.	5	1							1	2			1					1	11	10
17.....	W. C. C.	10								1				1					9	5	15
18.....	W. C. C.	5	2							1				2					5	2	13
19.....	W. C. C.	12	1							1				1					9	1	9
20.....	W. C. C.	2								2				1					3	3	10
21.....	W. C. C.	4								2				1	1				2	5	9
22.....	W. C. C.	4	2							1				1					3	7	12
23.....	W. C. C.	7								1				1	1				5	4	11
24.....	W. C. C.	5								1				1					2	6	14
25.....	W. C. C.	6	1		1					1				1					6	3	20
26.....	W. C. C.	8								1				1					3	9	12
27.....	W. C. C.	3								1				1	1				3	5	10
28.....	W. C. C.	9								1				1		1			6	4	13
29.....	W. C. C.	4								1				1					3	1	11
30.....	W. C. C.	7	2					1		2				1					3	7	17
31.....	W. C. C.	9	1							1				1					8	10	26
Total.....	W. C. C.	227	15		2			1		1	20	3	9	2	27	3	3		152	244	444
		181	16		2			1		4	36	6	4	2	27	9	4	2	93	200	

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

AUGUST.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			S a. m.	S p. m.			
29.84	64	84	66	18	75	66	61	NW.	N.	240	0	1
29.98	64	89	59	30	74	67	62	SW.	S.	99	0	2
30.04	92	66	.....	79	.....	.....	.....	.....	.....	0	3
29.96	95	70	.....	82	.....	.....	.....	.....	.....	0	4
29.88	89	72	.....	80	.....	.....	.....	.....	.....	0.02	5
29.89	85	71	.....	78	.....	.....	.....	.....	.....	.06	6
29.82	87	69	.....	78	.....	.....	.....	.....	.....	.01	7
29.88	78	65	.....	72	.....	.....	.....	.....	.....	T.	8
29.89	70	62	.....	66	.....	.....	.....	.....	.....	.86	9
29.92	84	60	.....	72	.....	.....	.....	.....	.....	0	10
29.98	86	68	.....	78	.....	.....	.....	.....	.....	0	11
30.07	92	65	.....	78	.....	.....	.....	.....	.....	0	12
30.04	93	73	.....	83	.....	.....	.....	.....	.....	0	13
30.07	93	72	.....	82	.....	.....	.....	.....	.....	0	14
30.12	88	74	.....	81	.....	.....	.....	.....	.....	0	15
30.18	84	68	.....	76	.....	.....	.....	.....	.....	0	16
30.06	87	68	.....	78	.....	.....	.....	.....	.....	1.11	17
29.94	86	70	.....	78	.....	.....	.....	.....	.....	.18	18
29.78	89	70	.....	80	.....	.....	.....	.....	.....	0	19
29.98	77	59	.....	68	.....	.....	.....	.....	.....	T.	20
30.14	80	53	.....	66	.....	.....	.....	.....	.....	0	21
29.95	84	69	.....	76	.....	.....	.....	.....	.....	T.	22
30.03	79	71	.....	75	.....	.....	.....	.....	.....	T.	23
30.08	74	66	.....	70	.....	.....	.....	.....	.....	0	24
30.12	68	56	.....	62	.....	.....	.....	.....	.....	1.85	25
30.08	61	57	.....	59	.....	.....	.....	.....	.....	1.05	26
30.18	63	56	.....	60	.....	.....	.....	.....	.....	.01	27
30.19	67	58	.....	62	.....	.....	.....	.....	.....	0	28
30.24	76	52	.....	64	.....	.....	.....	.....	.....	0	29
30.26	81	52	.....	66	.....	.....	.....	.....	.....	0	30
30.28	81	56	.....	68	.....	.....	.....	.....	.....	0	31
30.02	82.0	64.3	.....	73.2	.....	.....	North.	{ South and south- east. }	4180	5.14	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

SEPTEMBER.

[illegible]

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

SEPTEMBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			S a. m.	S p. m.			
		76	57		66						0	1
		83	58		70						0	2
		71	52		62						0	3
		75	49		62						0	4
		75	60		68						1.70	5
		84	62		73						1.32	6
		75	58		66						0	7
		75	54		64						0	8
		80	50		65						0	9
		71	56		64						0	10
		84	61		72						0	11
		86	59		72						0	12
		81	59		70						0	13
		81	64		72						T.	14
		70	52		61						0	15
		71	49		60						0	16
		75	54		64						0	17
		83	50		66						0	18
		82	56		69						.01	19
		69	62		66						T.	20
		72	59		66						0	21
		78	55		66						0	22
		82	60		71						0	23
		84	59		72						0	24
		82	61		72						0	25
		72	66		69						T.	26
		78	66		72						T.	27
		79	56		68						1.62	28
		65	45		55						0	29
		70	41		56						0	30
30.11		77.0	56.3		66.6					3479	4.65	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

OCTOBER.

Day of month.	Color.	Deaths, less those by violence.					Deaths due to external causes.				Minor contagious diseases.			Diarrheal diseases.		Dysentery.			Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
		Accidents and negligence.	Homicides.	Suicides.	Strokes.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.	Under 2 years.	Under 2 years and over.	Under 2 years.	Under 2 years and over.	Typhoid fever.	Malarial fevers.											
1.....	W.	6																	1	1				4	6	10
2.....	C.	4																						3	4	
3.....	W.	6	1																2	1				3	7	11
4.....	C.	12									1										1			10	12	16
5.....	W.	4																	1					2	4	
6.....	C.	11	1												2				1					5	12	21
7.....	W.	9																	3	2				3	9	
8.....	C.	7								1									1					5	7	18
9.....	W.	10		1															2	2				5	11	
10.....	C.	6													1				1					6	6	13
11.....	W.	7		1							2				1				1					3	7	13
12.....	C.	6																	2					4	7	13
13.....	W.	6																	1	2				4	6	
14.....	C.	13	3						1						1				1					10	16	18
15.....	W.	1	1							1									1		1			6	2	
16.....	C.	9																	2					3	9	14
17.....	W.	5								1									1					6	5	
18.....	C.	7													1				1					6	7	14
19.....	W.	7	1	1															1					8	11	18
20.....	C.	2								1									2	1				2	7	
21.....	W.	7																	1					2	2	9
22.....	C.	7																	3					3	7	
23.....	W.	9																	2					9	9	15
24.....	C.	6																	1					4	6	
25.....	W.	10													1				1					10	10	20
26.....	C.	3																	1					8	10	
27.....	W.	6	1																2					4	6	9
28.....	C.	7																	1					7	7	12
29.....	W.	13																	2					5	10	13
30.....	C.	8																	1					3	5	
31.....	W.	3																	2					6	8	11
32.....	C.	11																	1					3	5	18
33.....	W.	7																	2	1				6	11	19
34.....	C.	9	1																1	2				9	10	19
35.....	W.	8	1																1					4	7	10
36.....	C.	8																	1					7	9	19
37.....	W.	2																	1					4	8	10
38.....	C.	3	1																1					2	2	4
39.....	W.	9	3																1					6	12	16
Total.....	W.	262	11	2			1	1		2	4		1	16	1				23	17	4	2	1	189	275	472
	C.	187	8				2			8	5		2	3				38	14	4	1		110	197		

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

OCTOBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (Inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
		72	45		58						0.15	1
		58	44		51						0	2
		65	39		52						0	3
		74	40		57						0	4
		69	47		58						0	5
		69	43		56						0	6
		72	42		57						0	7
		74	47		60						0	8
		69	55		62						T.	9
		65	52		58						.05	10
		72	54		63						0	11
		57	42		50						0	12
		64	34		49						0	13
		68	35		52						0	14
		82	43		62						0	15
		84	50		67						0	16
		86	50		68						0	17
		82	50		66						0	18
		82	54		68						0	19
		61	45		53						0	20
		58	43		50						0	21
		63	50		56						0	22
		71	56		64						T.	23
		71	64		68						.18	24
		72	63		68						.12	25
		75	57		66						.02	26
		75	54		64						T.	27
		59	52		56						.24	28
		55	48		52						.95	29
		56	42		49						0	30
		51	38		44						0	31
30.14		68.7	47.7		58.2			Northwest.			1.71	

[illegible]

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

NOVEMBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
		50	32		41						0	1
		54	29		42						0	2
		64	32		48						0	3
		65	32		48						0	4
		44	28		36						0	5
		59	31		45						0	6
		58	42		50						0	7
		65	41		53						0	8
		62	35		48						0	9
		66	40		53						0	10
		63	42		52						0.02	11
		44	36		40						0	12
		44	32		38						0	13
		35	28		32						.55	14
		39	25		32						0	15
		49	19		34						0	16
		40	32		36						0	17
		60	36		48						.01	18
		56	31		44						0	19
		59	37		48						0	20
		54	28		41						0	21
		52	30		41						0	22
		62	34		48						0	23
		64	43		54						T.	24
		68	51		60						0	25
		67	51		59						.02	26
		66	45		56						0	27
		49	39		44						0	28
		60	39		50						0	29
		72	50		61						0	30
30.11		56.3	35.7		46.0			Northwest.			0.60	

TABLE 2.—Showing the daily mortality in the District of Columbia during the calendar meteorological

DECEMBER.

Day of month.	Color.	Deaths, less those by violence.	Deaths due to external causes.				Minor contagious diseases.				Diarrheal diseases.		Dysentery.	Typhoid fever.	Malarial fevers.	Pulmonary tuberculosis.	Pneumonia.	Bronchitis.	Congestion of the lungs.	Rheumatism.	All other diseases.	Deaths by color.	Total deaths.
			Accidents and negligence.	Homicides.	Suicides.	Sunstroke.	Scarlet fever.	Diphtheria and croup.	Measles.	Whooping cough.	Under 2 years.	2 years and over.											
1.	W.	8	1	1										1		1	2				3	8	16
2.	C.	9	1													1	1				4	8	12
3.	W.	7									1			1		3	3				5	7	15
4.	C.	12								1						2	1	1			9	12	19
5.	W.	6												1		1	1				3	6	15
6.	C.	8	1													1	1				7	9	17
7.	W.	11														2	2				7	11	17
8.	C.	6														1	1				2	6	11
9.	W.	8														1	1				1	3	11
10.	C.	9	1												1	1	1				5	7	16
11.	W.	7														1	2	1			3	7	14
12.	C.	7														1	1				5	7	14
13.	W.	9														1	1				7	10	15
14.	C.	5														1	1				3	5	15
15.	W.	10	2								1				1	2	2				6	12	20
16.	C.	8									1					2	2				5	8	13
17.	W.	9														2	2				7	9	16
18.	C.	4														2	2				4	6	10
19.	W.	4														5	3				8	10	18
20.	C.	11														1	1				2	4	15
21.	W.	11														2	2				4	6	10
22.	C.	7	1													1	1				6	7	13
23.	W.	8	1													3	1				7	9	16
24.	C.	9														1	1				4	8	12
25.	W.	6														2	2				5	7	12
26.	C.	7														1	1				4	6	10
27.	W.	10	2													2	2				6	8	14
28.	C.	3	1													1	1				2	4	6
29.	W.	6	1													2	2				4	6	10
30.	C.	10														3	1				4	6	10
31.	W.	15	1													2	2				4	6	10
Total.	W.	209	15		5		2	3	1		3			10		32	21		5		185	289	479
	C.	182	7		1		1			1		1		3		34	27	6			106	190	

year 1908, arranged with reference to race, cause of death, and corresponding daily conditions—Continued.

DECEMBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			8 a. m.	8 p. m.			
.....	69	46	.....	58	.....	.....	.....	.....	.....	0	1
.....	34	25	.....	30	.....	.....	.....	.....	.....	T.	2
.....	36	23	.....	30	.....	.....	.....	.....	.....	0	3
.....	43	29	.....	36	.....	.....	.....	.....	.....	.12	4
.....	41	32	.....	36	.....	.....	.....	.....	.....	T.	5
.....	40	28	.....	34	.....	.....	.....	.....	.....	.21	6
.....	48	33	.....	40	.....	.....	.....	.....	.....	.75	7
.....	38	24	.....	31	.....	.....	.....	.....	.....	0	8
.....	41	22	.....	32	.....	.....	.....	.....	.....	0	9
.....	36	26	.....	31	.....	.....	.....	.....	.....	0	10
.....	42	32	.....	37	.....	.....	.....	.....	.....	1.00	11
.....	42	30	.....	36	.....	.....	.....	.....	.....	T.	12
.....	47	30	.....	38	.....	.....	.....	.....	.....	T.	13
.....	50	32	.....	41	.....	.....	.....	.....	.....	0	14
.....	54	38	.....	46	.....	.....	.....	.....	.....	0	15
.....	56	44	.....	50	.....	.....	.....	.....	.....	T.	16
.....	47	34	.....	40	.....	.....	.....	.....	.....	.13	17
.....	52	34	.....	43	.....	.....	.....	.....	.....	.07	18
.....	42	31	.....	36	.....	.....	.....	.....	.....	0	19
.....	47	29	.....	38	.....	.....	.....	.....	.....	0	20
.....	47	28	.....	38	.....	.....	.....	.....	.....	0	21
.....	39	28	.....	34	.....	.....	.....	.....	.....	1.15	22
.....	34	18	.....	26	.....	.....	.....	.....	.....	T.	23
.....	34	18	.....	26	.....	.....	.....	.....	.....	0	24
.....	41	28	.....	34	.....	.....	.....	.....	.....	.02	25
.....	40	28	.....	34	.....	.....	.....	.....	.....	0	26
.....	44	24	.....	34	.....	.....	.....	.....	.....	0	27
.....	45	30	.....	38	.....	.....	.....	.....	.....	0	28
.....	52	24	.....	38	.....	.....	.....	.....	.....	0	29
.....	44	34	.....	39	.....	.....	.....	.....	.....	.17	30
.....	44	26	.....	35	.....	.....	.....	.....	.....	.01	31
30.10	44.2	29.3	.....	36.7	.....	.....	Northwest.		.....	3.63	

TABLE 3.—Showing average age of decedents in the District of Columbia during the calendar year 1908, by sex, race, and age.

WHITE MALES.

Month.	All ages.		5 years and over.		20 years and over.		40 years and over.	
	Deaths.	Average age.	Deaths.	Average age.	Deaths.	Average age.	Deaths.	Average age.
		Y. m. d.		Y. m. d.		Y. m. d.		Y. m. d.
January.....	186	46 1 3	151	56 6 22	147	57 7 11	121	63 1 14
February.....	194	45 6 17	160	55 .. 1	154	56 8 12	123	63 1 3
March.....	198	46 .. 16	162	56 2 9	158	57 3 29	129	63 6 27
April.....	148	46 7 6	125	55 .. 17	121	56 4 20	99	62 1 10
May.....	153	48 .. 27	128	57 3 28	125	58 4 25	96	66 10 5
June.....	180	40 9 29	137	53 5 9	129	56 .. 19	100	63 3 4
July.....	169	35 9 2	108	55 9 7	101	59 .. 21	82	64 8 14
August.....	141	41 2 5	109	53 1 1	100	56 8 18	78	63 5 10
September.....	140	41 1 15	111	51 9 6	107	53 2 5	81	61 1 19
October.....	158	45 2 23	138	51 7 28	129	54 4 18	95	63 5 13
November.....	164	46 10 1	141	54 4 4	137	55 6 21	110	61 6 24
December.....	177	45 3 4	147	54 3 29	142	55 11 10	109	63 2 19
Total.....	2,008	44 1 10	1,617	54 7 13	1,550	56 5 5	1,223	63 3 10

WHITE FEMALES.

January.....	181	51 2 12	155	59 8 ..	147	62 1 28	133	65 6 19
February.....	130	43 4 ..	112	50 1 25	103	53 5 8	91	56 9 2
March.....	140	49 8 22	117	59 4 21	113	61 .. 14	97	66 1 8
April.....	122	49 6 3	104	57 10 25	102	58 8 7	82	65 8 24
May.....	128	43 9 25	105	53 2 18	95	57 2 20	76	64 1 23
June.....	104	42 6 18	79	55 9 1	73	58 11 19	57	66 7 25
July.....	148	33 9 28	97	51 4 1	90	54 1 2	66	62 7 28
August.....	103	36 7 14	75	50 1 1	68	53 10 2	49	63 6 22
September.....	124	42 3 6	103	50 8 26	98	52 7 5	72	60 2 19
October.....	117	50 3 23	102	57 7 23	97	59 11 16	79	66 9 4
November.....	130	46 2 24	107	56 11 11	102	59 1 5	82	65 8 19
December.....	112	48 .. 29	96	56 .. 6	93	57 4 29	73	64 10 ..
Total.....	1,539	45 .. 19	1,252	55 2 21	1,181	57 8 11	957	64 1 6

COLORED MALES.

January.....	110	33 10 4	80	46 2 7	75	48 4 9	49	57 11 22
February.....	109	33 7 2	78	46 7 6	74	48 5 15	49	57 3 14
March.....	140	27 4 14	88	43 2 2	77	47 3 6	48	57 8 24
April.....	120	33 1 26	93	42 6 12	83	46 1 10	51	56 9 26
May.....	103	33 2 17	75	45 3 5	65	50 .. 8	44	58 10 11
June.....	113	26 2 6	71	41 3 17	61	45 10 19	35	58
July.....	142	26 .. 9	86	42 5 23	72	48 6 25	46	59 .. 16
August.....	87	28 9 28	59	42 3 6	53	45 7 26	27	60 8 ..
September.....	84	26 10 19	58	38 7 15	52	41 5 4	23	54 4 10
October.....	88	31 10 3	63	44 3 17	56	48 7 28	35	58 8 12
November.....	95	32 6 5	72	42 9 10	63	46 11 13	37	59 1 15
December.....	95	33 3 25	72	43 8 19	68	45 6 26	42	55 11 9
Total.....	1,286	30 4 23	895	43 4 13	799	47 .. 12	486	57 10 19

COLORED FEMALES.

January.....	128	37 4 24	104	45 9 27	91	50 3 23	58	61 11 12
February.....	113	29 8 1	77	43 1 17	68	47 3 18	40	59 9 21
March.....	133	30 9 8	95	42 8 6	87	45 2 27	47	59 8 17
April.....	116	31 6 5	91	40 .. 3	80	43 6 14	44	56 3 15
May.....	116	32 6 8	90	41 7 16	76	47 3 5	47	58 8 28
June.....	95	24 10 24	59	39 7 8	47	46 .. 10	24	62 8 20
July.....	129	26 4 7	76	44 2 10	67	48 6 23	43	60 5 19
August.....	113	24 3 14	68	39 9 9	60	42 11 10	32	56 5 23
September.....	73	35 9 29	60	43 5 27	49	49 10 5	32	61 4 12
October.....	109	29 10 26	83	39 .. 28	68	44 10 4	41	54 1 13
November.....	83	33 6 28	61	45 4 19	55	48 11 25	34	60 10 29
December.....	95	30 11 10	70	41 8 5	62	45 .. 27	33	58 4 ..
Total.....	1,303	30 6 8	934	42 3 3	810	46 7 21	475	59 2 5

TABLE 3.—Showing average age of decedents in the District of Columbia during the calendar year 1908, by sex, race, and age—Continued.

RECAPITULATION.

Sex and color.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.	
		Y.	m.	d.		Y.	m.	d.		Y.	m.	d.
White:												
Males.....	2,008	44	1	10	1,617	54	7	13	1,550	56	5	5
Females.....	1,539	45	..	19	1,252	55	2	21	1,181	57	8	11
Total.....	3,547	44	6	7	2,869	54	10	18	2,731	56	11	23
Colored:												
Males.....	1,286	30	4	23	895	43	4	13	799	47	..	12
Females.....	1,303	30	6	8	934	42	3	3	810	46	7	21
Total.....	2,589	30	5	16	1,829	42	9	19	1,609	46	10	1
Whites.....	3,547	44	6	7	2,869	54	10	18	2,731	56	11	23
Colored.....	2,589	30	5	16	1,829	42	9	19	1,609	46	10	1
Grand total....	6,136	38	7	2	4,698	50	2	5	4,340	53	2	19

TABLE 4.—Showing decedents in the District of Columbia under 1 year of age, by race, sex, and age, and by months, during the calendar year 1908.

Month.	Under 1 day.	1 day to 1 week.	1 week to 1 month.	1 to 2 months.	2 to 3 months.	3 to 4 months.	4 to 5 months.	5 to 6 months.	6 to 7 months.	7 to 8 months.	8 to 9 months.	9 to 10 months.	10 to 11 months.	11 to 12 months.	Total.	Total, by color.
January:																
White—																
Males.....	3	6	4	2	4	1	.....	1	1	.....	1	2	.....		24	44
Female.....	4	3	5	1	1	2	.....	2	.....	.....	.....	.....	.....		20	
Colored—																
Males.....	1	2	2	1	1	2	3	4	.....	.....	1	.....	1	1	19	34
Females.....	1	2	2	.....	1	2	1	1	2	1	.....	.....	1	1	15	
Total.....	9	13	13	4	7	7	4	8	3	1	2	3	2	2	78	78
February:																
White—																
Males.....	3	6	4	4	1	1	.....	.....	.....	.....	1	.....	.....	1	21	33
Females.....	3	2	3	1	.....	.....	1	.....	1	.....	.....	.....	.....	1	12	
Colored—																
Males.....	3	1	4	2	2	2	1	1	2	.....	1	2	2	.....	23	48
Females.....	1	3	1	4	.....	4	1	3	2	2	1	.....	3	.....	25	
Total.....	10	12	12	11	3	7	3	4	5	2	3	2	5	2	81	81
March:																
White—																
Males.....	4	12	5	4	3	.....	1	.....	1	1	.....	.....	1	.....	32	51
Females.....	6	2	5	1	.....	1	1	1	.....	.....	.....	1	.....	1	19	
Colored—																
Males.....	1	8	6	4	4	2	1	4	3	1	4	.....	2	.....	40	64
Females.....	2	2	5	3	3	3	.....	.....	.....	1	.....	1	.....	2	24	
Total.....	13	24	21	12	10	6	4	5	4	3	4	2	3	4	115	115
April:																
White—																
Males.....	3	5	3	.....	.....	1	.....	.....	1	1	2	1	.....	.....	17	29
Females.....	1	1	2	.....	.....	2	2	1	.....	2	.....	.....	1	.....	12	
Colored—																
Males.....	2	4	1	1	2	2	4	1	1	.....	1	.....	.....	2	21	41
Females.....	3	1	.....	1	2	2	2	4	1	.....	.....	3	.....	1	20	
Total.....	9	11	6	2	4	7	8	6	3	3	3	4	1	3	70	70

TABLE 4.—Showing decedents in the District of Columbia under 1 year of age, by race, sex, and age, and by months, during the calendar year 1908—Continued.

Month.	Under 1 day.	1 day to 1 week.	1 week to 1 month.	1 to 2 months.	2 to 3 months.	3 to 4 months.	4 to 5 months.	5 to 6 months.	6 to 7 months.	7 to 8 months.	8 to 9 months.	9 to 10 months.	10 to 11 months.	11 to 12 months.	Total.	Total, by color.
May:																
White—																
Males.....	1	4	2	3	2	3				1		2			18	33
Females.....	3	2	5	1			1		1	2					15	
Colored—																
Males.....	1	4	1	2	2	1		5	1	1		2			19	36
Females.....	2	2	4		3	3	1	1	1		1			1	17	
Total.....	5	12	12	6	7	7	2	6	3	3	3	2		1	69	69
June:																
White—																
Males.....	4	3	3	2	1	2	4	9	3	1	3		1		36	57
Females.....	3	2	1		2	2	2	2	3			1	1	2	21	
Colored—																
Males.....	1	2	1	2	5	1	4	3	3	2	4	4	1	1	34	64
Females.....	2	4	2		3		4	7	2	4	1		2	1	30	
Total.....	8	11	7	4	11	9	17	16	13	4	7	5	5	4	121	121
July:																
White—																
Males.....	2	6	3	9	4	5	6	1	7	1	4	1	2	2	53	94
Females.....	2	4	6	4	5	1	6	3	3	2	2	1	2		41	
Colored—																
Males.....	5	2	3	6	6	2	3	7	3	4	5			2	43	84
Females.....	2	3	2	3	2	3	5	2	6	2	6	1	1	1	41	
Total.....	9	14	15	21	18	13	17	17	15	9	17	3	5	5	178	178
August:																
White—																
Males.....	3	6	3	1	2	3		1	2	1	1	1		2	26	51
Females.....	3	4	2	1		5	1	5	1			2	1		25	
Colored—																
Males.....	2	1	3	4	2		2	2	4	1		1	2	3	25	57
Females.....	2	2	3	2		2	2	3	2	4	1	3	3	3	32	
Total.....	8	13	11	8	4	10	5	11	9	6	2	7	6	8	108	108
September:																
White—																
Males.....	4	2	4	4	1	3	4			1	1		2		26	42
Females.....	1	3	3		3		2	1	2	1					16	
Colored—																
Males.....	1	3	5	3	2	2			2					1	19	29
Females.....	1	1	2	1	1			1	2		1				10	
Total.....	7	9	14	8	7	5	6	2	6	2	2		2	1	71	71
October:																
White—																
Males.....	2	4	5		1	1						2			15	28
Females.....	1	3	1		1	1	2	1	1					2	13	
Colored—																
Males.....	3	7	4	1	4		2			1					22	41
Females.....	2	4	1	1	1	3	3	2	1			1			19	
Total.....	8	18	11	2	7	5	7	3	2	1		3		2	69	69
November:																
White—																
Males.....	2	3	3	2	3		2			1			1		17	36
Females.....		2	2	2	1		4	1	1		3		1	2	19	
Colored—																
Males.....	6	2		3	2	2		1	2		1			1	20	37
Females.....	1		3	2	3	2	1					2	3		17	
Total.....	9	7	8	9	9	4	7	2	3	1	4	2	5	3	73	73
December:																
White—																
Males.....	3		9	1	1		3								20	33
Females.....	2	3	3	2		1		2			1			1	13	
Colored—																
Males.....	2		5	3	3	1		1	1	1					17	34
Females.....	2	2	3	3	2	1	1					1		2	17	
Total.....	9	5	20	9	6	3	4	3	1	2		2		3	67	67

TABLE 4.—Showing decedents in the District of Columbia under 1 year of age, by race, sex, and age, and by months, during the calendar year 1908—Continued.

RECAPITULATION.

Age.	White.				Colored.				Total number of deaths.	Percentage to all decedents under 1 year.
	Male.		Female.		Male.		Female.			
	Deaths.	Percentage to white males under 1 year.	Deaths.	Percentage to white females under 1 year.	Deaths.	Percentage to colored males under 1 year.	Deaths.	Percentage to colored females under 1 year.		
Under 1 day.....	34	11.15	29	12.83	21	6.96	20	7.49	104	9.45
1 day to 1 week.....	57	18.69	31	13.72	36	11.92	25	9.33	149	13.55
1 week to 1 month.....	48	15.74	38	16.81	35	11.59	29	10.86	150	13.64
1 to 2 months.....	32	10.49	13	5.75	32	10.60	19	7.12	96	8.73
2 to 3 months.....	23	7.54	13	5.75	35	11.59	22	8.24	93	8.45
3 to 4 months.....	20	6.56	15	6.64	17	5.63	31	11.61	83	7.55
4 to 5 months.....	20	6.56	22	9.73	20	6.63	22	8.24	84	7.64
5 to 6 months.....	12	3.93	19	8.41	29	9.61	23	8.62	83	7.55
6 to 7 months.....	15	4.92	13	5.76	22	7.29	17	6.37	67	6.09
7 to 8 months.....	9	2.95	7	3.10	10	3.31	11	4.12	37	3.36
8 to 9 months.....	12	3.93	6	2.65	19	6.26	10	3.75	47	4.27
9 to 10 months.....	10	3.28	6	2.66	7	2.32	12	4.50	35	3.18
10 to 11 months.....	6	1.96	6	2.65	8	2.65	14	5.25	34	3.09
11 to 12 months.....	7	2.30	8	3.54	11	3.64	12	4.50	38	3.45
Total.....	305	100.00	226	100.00	302	100.00	267	100.00	1,100	100.00
Total, by color.....	531				569				1,100	

TABLE 5.—Showing number and age of decedents in the District of Columbia 70 years of age and over during the calendar year 1908.

Age.	White.		Colored.		Total.	Age.	White.		Colored.		Total.
	Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.	
70 years.....	38	28	16	9	91	88 years.....	5	8	.....	3	16
71 years.....	36	16	4	7	63	89 years.....	8	4	2	.....	14
72 years.....	31	34	5	7	77	90 years.....	4	5	1	3	13
73 years.....	32	22	1	5	60	91 years.....	1	3	1	.....	5
74 years.....	27	17	2	4	50	92 years.....	1	4	.....	1	6
75 years.....	31	28	4	17	80	93 years.....	1	1	1	1	3
76 years.....	29	20	5	1	55	94 years.....	1	1	1	.....	2
77 years.....	17	15	5	5	42	95 years.....	1	.....	.....	.....	1
78 years.....	22	23	4	5	54	96 years.....	.....	2	.....	.....	4
79 years.....	24	12	3	7	46	97 years.....	.....	2	2	.....	4
80 years.....	20	23	11	10	64	98 years.....	.....	1	.....	1	2
81 years.....	22	21	1	3	47	99 years.....	.....	1	.....	1	2
82 years.....	21	16	2	.....	39	100 years.....	1	.....	3	1	5
83 years.....	14	21	1	1	37	101 years.....	.....	1	.....	.....	1
84 years.....	8	13	4	4	29	103 years.....	.....	.....	1	.....	1
85 years.....	11	16	4	9	40	105 years.....	.....	.....	1	.....	1
86 years.....	2	12	3	1	18	115 years.....	.....	.....	.....	1	1
87 years.....	6	9	1	.....	16						

TABLE 6.—*Showing the number of deaths in hospitals and other public institutions in the District of Columbia, during the calendar year 1908.*

Place of death.	White.	Colored.	Total.
Aged Women's Home			
Bruen Home			
Bell Home			
Baptist Home (Stoddard)		3	3
Casualty Hospital	46	32	78
Columbia Hospital	20	24	44
Children's Hospital	57	46	103
Convent of Visitation	6		6
Camp Good Will	1		1
Children's Country Home			
Children's Temporary Home			
Central Union Mission	3		3
Emergency Hospital	77	44	121
Episcopal Church Home			
Episcopal Eye, Ear, and Throat Hospital	11	1	12
Freedmen's Hospital	18	240	258
Florence Crittenton Home	8		8
Fry's Sanitarium	3		3
George Washington University Hospital	71		71
German Orphan Asylum	1		1
Garfield Hospital	93	56	149
Georgetown University Hospital	72	11	83
Government Hospital for Insane	180	45	225
Georgetown Convent	1		1
Home for Aged (Little Sisters of the Poor)	27	13	40
House of Mercy	1		1
Home of the Good Shepherd	1		1
Home for the Blind	1		1
Louise Home			
Lenthal Home for Widows	1		1
Methodist Home for Aged	1		1
National Homeopathic Hospital	36	14	50
National Home (Eighth street extended)			
National Lutheran Home	2		2
Presbyterian Home	2		2
Providence Hospital	163	42	205
Rupperts Home			
Reform School			
St. Ann's Infant Asylum	22	3	25
St. Benedicts			
St. Catharines			
Sibley Hospital			
Tuberculosis Hospital	55	2	57
United States Army General Hospital (Washington Barracks)	24	56	80
United States Naval Hospital	15	1	16
United States Jail	3		3
United States Soldiers' Home (Barnes Hospital)	1	3	4
Washington Home for Incurables	52	2	54
Washington Home for Foundlings	10		10
Washington Asylum Hospital	6		6
Washington Home for Aged and Infirm	89	155	244
Washington Branch Sanitarium	20	42	62
Women's Christian Association Home	1		1
Total	1,201	835	2,036

TABLE 7.—Showing the number of deaths in the District of Columbia during the calendar year 1908, arranged according to the last residence of decedent.

District.	Pulmonary tuberculosis.		Pneumonia.		Bronchitis.		Pulmonary congestion.		Diphtheria.		Scarlet fever.		Typhoid fever.		Malarial fever.		Diarrheal diseases.		Other diseases.		Total by districts.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
1.	5	11	14	4	1	1	1	1	1	1	1	1	1	1	1	1	3	2	113	77	135	106
2.	6	18	12	1	1	1	1	1	1	1	1	1	1	1	1	1	10	6	71	59	120	93
3.	2	15	10	1	1	1	1	1	1	1	1	1	1	1	1	1	9	2	9	34	11	51
4.	13	22	29	4	1	1	1	1	1	1	1	1	1	1	1	1	125	139	104	125	139	196
5.	14	17	13	10	5	1	1	1	1	1	1	1	1	1	1	1	10	12	104	125	139	196
6.	13	17	12	5	1	1	1	1	1	1	1	1	1	1	1	1	8	4	177	43	222	77
7.	13	17	10	5	1	1	1	1	1	1	1	1	1	1	1	1	10	4	177	43	222	77
8.	17	15	18	12	5	1	1	1	1	1	1	1	1	1	1	1	14	6	150	54	195	85
9.	25	54	34	7	3	1	1	1	1	1	1	1	1	1	1	1	19	39	140	54	215	85
10.	24	17	16	12	5	1	1	1	1	1	1	1	1	1	1	1	10	8	142	199	219	113
11.	5	37	21	1	1	1	1	1	1	1	1	1	1	1	1	1	155	70	155	70	219	113
12.	4	26	10	1	1	1	1	1	1	1	1	1	1	1	1	1	24	105	24	105	40	195
13.	6	3	4	4	3	3	2	1	1	1	1	1	1	1	1	1	39	58	24	105	52	108
14.	22	9	13	8	6	6	2	1	1	1	1	1	1	1	1	1	26	12	26	12	48	28
15.	12	14	10	8	1	1	1	1	1	1	1	1	1	1	1	1	162	44	162	44	230	68
16.	14	6	7	1	1	1	1	1	1	1	1	1	1	1	1	1	104	32	104	32	149	66
17.	12	6	8	2	2	4	1	1	1	1	1	1	1	1	1	1	9	8	66	32	100	59
18.	13	5	8	1	3	3	1	1	1	1	1	1	1	1	1	1	12	6	107	26	151	54
19.	2	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	4	4	74	22	106	36
20.	2	5	1	1	1	2	1	1	1	1	1	1	1	1	1	1	17	14	17	14	29	22
21.	4	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	34	23	34	23	43	37
22.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	9	9	9	3	13
23.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	6	3	6	10	6
24.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10	15	10	15	15	4
25.	9	5	3	1	1	2	1	1	1	1	1	1	1	1	1	1	31	27	31	27	50	46
26.	13	8	5	1	1	2	1	1	1	1	1	1	1	1	1	1	154	44	154	44	175	44
27.	9	9	1	1	1	3	1	1	1	1	1	1	1	1	1	1	35	74	35	74	40	93
28.	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	7	13	7	13	10	23
29.	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	10	3	10	3	13
30.	2	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	7	12	7	12	28	54
31.	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	23	2	23	2	26	5
32.	1	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	20	3	20	3	30	6
33.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	41	5	41	5	55	36
34.	10	1	12	1	1	3	1	1	1	1	1	1	1	1	1	1	25	1	25	1	87	92
35.	9	4	10	13	3	3	1	1	1	1	1	1	1	1	1	1	8	13	8	13	11	86
36.	4	2	5	1	2	1	1	1	1	1	1	1	1	1	1	1	56	6	56	49	87	94
37.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	54	1	54	11	73	16
38.	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	48	4	48	4	59	6
39.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	5	1	9	1
																	2	2	2	2	2	3

TABLE 7.—Showing the number of deaths in the District of Columbia during the calendar year 1908, arranged according to the last residence of decedent—Continued.

District.	Pulmonary tuberculosis.		Pneumonia.		Bronchitis.		Pulmonary congestion.		Diphtheria.		Scarlet fever.		Typhoid fever.		Malarial fever.		Diarrheal diseases.		Other diseases.		Total by district.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
40.	2	3	1	1										1				2	14	3	18	9
41.	7	14	2	1														1	17	1	27	15
42.		1		1				1										1	1	2	2	5
43.					1														14	1	16	1
44.	1	1	4	1									1					1	29	2	35	8
45.				1				1											6	6	6	6
46.	1	1	1	1										1				1	5	9	13	12
47.			1															1	9	9	6	3
48.				1														1	5	2	6	2
49.	4	10	2	6	1								2					5	62	41	73	62
50.	3	1	2	2										1				3	22	12	33	16
51.	18	5	8	5									4	1				5	84	26	120	39
52.								1										1	13	2	16	2
53.														1					4	2	5	4
		1		1															2	2	2	4
Total.....	301	410	230	275	57	67	26	17	15	7	8	1	88	36	4	5	202	196	2,616	1,575	3,547	2,589
																						6,136

TABLE 7a.—*Showing population, deaths, and death rates per 1,000, during the calendar year 1908, arranged as to race and with reference to the vital statistics divisions of the District of Columbia (see map No. 1).*

District.	White.			Colored.			Total.		
	Popu- lation.	Deaths.	Death rates.	Popu- lation.	Deaths.	Death rates.	Popu- lation.	Deaths.	Death rates.
1.....	11,710	135	11.52	6,105	102	16.71	17,815	237	13.30
2.....	6,392	90	14.08	4,994	115	23.02	11,386	205	18.00
3.....	7,638	120	15.71	3,416	94	27.52	11,054	214	19.36
4.....	663	11	16.59	2,108	52	24.66	2,771	63	22.37
5.....	10,276	139	13.53	8,697	196	22.54	18,973	335	17.66
6.....	15,487	222	14.33	3,285	76	23.13	18,772	298	15.87
7.....	9,522	182	19.11	978	58	59.30	10,500	240	22.86
8.....	14,884	195	13.10	2,626	89	33.89	17,510	284	16.22
9.....	13,192	215	16.30	11,872	334	28.13	25,064	549	21.90
10.....	13,397	219	16.35	4,034	112	27.76	17,431	331	18.99
11.....	2,489	40	16.03	7,381	195	26.42	9,870	235	23.81
12.....	3,124	52	16.65	3,674	108	29.40	6,798	160	23.54
13.....	4,348	48	11.04	1,132	28	24.73	5,480	76	13.87
14.....	15,327	230	15.01	2,263	68	30.05	17,590	298	16.94
15.....	10,475	149	14.22	2,780	64	23.02	13,255	213	16.07
16.....	6,364	100	15.71	2,167	59	27.23	8,531	159	18.64
17.....	12,688	151	11.90	2,404	54	22.46	15,092	205	13.65
18.....	9,817	106	10.80	1,533	36	23.48	11,350	142	12.51
19.....	2,818	29	10.29	890	22	24.72	3,708	51	13.75
20.....	2,522	43	17.05	1,851	37	19.99	4,373	80	18.29
21.....	887	9	10.14	506	13	25.69	1,393	22	15.79
22.....	124	3	24.19	915	13	14.21	1,039	16	15.40
23.....	410	6	14.63	87	.....	.....	497	6	12.07
24.....	719	15	20.86	55	4	72.73	774	19	24.55
25.....	3,594	50	13.91	1,000	46	46.00	4,594	96	20.90
26.....	2,648	175	66.09	594	44	74.07	3,242	219	67.55
27.....	1,755	40	22.79	2,567	93	36.23	4,322	133	30.77
28.....	503	13	25.84	216	10	46.29	719	23	31.99
29.....	870	10	11.50	12	3	250.00	882	13	14.74
30.....	2,105	28	13.30	1,156	26	22.49	3,261	54	16.56
31.....	2,421	26	10.74	161	5	31.05	2,582	31	12.01
32.....	2,801	30	10.71	223	6	26.91	3,024	36	11.90
33.....	6,340	55	8.68	1,250	37	29.60	7,590	92	12.12
34.....	695	11	15.83	2,981	85	28.51	3,676	96	26.12
35.....	8,150	87	10.67	3,288	94	28.59	11,438	181	15.82
36.....	5,281	73	13.82	399	16	40.10	5,680	89	15.67
37.....	1,641	59	35.96	240	6	25.00	1,881	65	34.56
38.....	1,148	9	7.84	24	1	41.67	1,172	10	8.53
39.....	812	2	2.46	46	3	65.21	858	5	5.83
40.....	1,144	18	15.73	294	9	30.61	1,438	27	18.78
41.....	625	27	43.20	67	15	223.88	692	42	60.69
42.....	269	2	7.43	275	5	18.18	544	7	12.87
43.....	1,491	16	10.73	127	1	7.87	1,618	17	10.51
44.....	4,244	35	8.25	469	8	17.06	4,713	43	9.12
45.....	732	6	8.19	1,048	10	9.54	1,780	16	8.99
46.....	2,288	13	5.68	547	12	21.94	2,835	25	8.82
47.....	833	6	7.20	194	3	15.46	1,027	9	8.76
48.....	5,148	73	14.18	2,359	61	25.85	7,507	134	17.85
49.....	1,452	33	22.73	690	15	21.74	2,142	48	22.41
50.....	6,225	120	19.28	1,144	40	34.96	7,369	160	21.71
51.....	1,048	14	13.36	156	2	12.82	1,204	16	13.29
52.....	80	5	6.25	92	.....	.....	172	5	29.07
53.....	304	2	6.58	111	4	36.03	415	6	14.46
Total.....	241,920	3,547	14.66	97,483	2,589	26.56	339,403	6,136	18.08

TABLE 7b.—Showing the distribution of population and of deaths, and showing death rates arranged according to race and according to streets and alleys and vital statistics districts, during the calendar year 1908.

District.	White.						Colored.					
	Streets.			Alleys.			Streets.			Alleys.		
	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.
1.....	11,639	135	11.60	71	---	---	5,802	---	---	---	---	---
2.....	6,362	90	14.15	30	---	---	4,019	91	15.68	303	11	36.30
3.....	7,635	119	15.59	3	1	333.33	2,537	87	21.65	975	28	28.72
4.....	657	11	16.74	6	---	---	1,871	64	25.23	879	30	34.14
5.....	10,259	139	13.55	17	---	---	7,751	47	25.12	237	5	21.09
6.....	15,467	222	14.35	20	---	---	2,693	170	21.93	946	26	27.48
7.....	9,493	182	19.17	29	---	---	864	54	20.05	592	22	37.16
8.....	14,654	187	12.76	230	8	34.78	1,302	56	64.81	114	2	17.54
9.....	13,135	213	16.22	57	2	35.09	8,920	56	43.01	1,324	33	24.92
10.....	13,165	214	16.25	232	5	21.55	2,855	209	23.43	2,952	125	42.34
11.....	2,056	39	18.97	433	1	2.31	5,865	95	33.27	1,179	17	14.42
12.....	3,122	52	16.65	2	---	---	3,431	141	24.04	1,516	54	35.62
13.....	4,348	46	10.58	---	2	---	1,114	97	28.27	243	11	45.27
14.....	15,019	223	14.85	308	7	22.72	1,619	18	16.16	18	10	555.56
15.....	10,452	149	14.25	23	---	---	2,056	49	30.27	644	19	29.50
16.....	6,258	99	15.82	106	1	9.43	2,106	44	21.40	724	20	27.62
17.....	12,682	151	11.91	6	---	---	2,111	59	28.01	61	---	---
18.....	9,815	106	10.79	2	---	---	1,095	39	18.47	293	15	51.19
19.....	2,818	29	10.29	---	---	---	855	26	23.74	438	10	22.83
20.....	2,522	43	17.05	---	---	---	1,727	21	24.56	35	1	28.57
21.....	887	9	10.14	---	---	---	506	35	20.27	124	2	16.13
22.....	124	3	24.19	---	---	---	915	13	25.69	---	---	---
23.....	410	6	14.63	---	---	---	87	13	14.21	---	---	---
24.....	719	15	20.86	---	---	---	55	---	---	---	---	---
25.....	3,594	50	13.91	---	---	---	1,000	4	72.73	---	---	---
26.....	2,648	175	66.09	---	---	---	594	46	46.00	---	---	---
27.....	1,755	40	22.79	---	---	---	2,567	44	74.07	---	---	---
28.....	503	13	25.84	---	---	---	216	93	36.23	---	---	---
29.....	870	10	11.50	---	---	---	12	10	46.29	---	---	---
30.....	2,105	28	13.30	---	---	---	1,156	3	250.00	---	---	---
31.....	2,421	26	10.74	---	---	---	161	26	22.49	---	---	---
32.....	2,801	30	10.71	---	---	---	223	5	31.05	---	---	---
33.....	6,340	55	8.68	---	---	---	1,250	6	26.91	---	---	---
34.....	695	11	15.83	---	---	---	2,765	37	29.60	---	---	---
35.....	8,150	87	10.67	---	---	---	3,260	81	29.29	216	4	18.52
36.....	5,281	73	13.82	---	---	---	399	92	28.22	28	2	71.43
37.....	1,641	59	35.96	---	---	---	240	16	40.10	---	---	---
38.....	1,148	9	7.84	---	---	---	46	6	25.00	---	---	---
39.....	812	2	2.46	---	---	---	24	1	41.66	---	---	---
40.....	1,144	18	15.73	---	---	---	294	3	65.22	---	---	---
41.....	625	27	4.32	---	---	---	67	9	30.61	---	---	---
42.....	269	2	7.43	---	---	---	275	15	22.39	---	---	---
43.....	1,491	16	10.73	---	---	---	127	5	18.18	---	---	---
44.....	4,244	35	8.25	---	---	---	469	1	7.87	---	---	---
45.....	732	6	8.19	---	---	---	1,018	8	17.06	---	---	---
46.....	2,288	13	5.68	---	---	---	547	10	9.54	---	---	---
47.....	833	6	7.20	---	---	---	194	12	21.94	---	---	---
48.....	5,113	72	14.18	35	1	28.57	2,182	3	15.46	---	---	---
49.....	1,444	33	22.73	8	---	---	538	59	27.04	177	2	11.30
50.....	6,225	120	19.28	---	---	---	1,097	13	24.16	152	2	13.16
51.....	1,048	14	13.36	---	---	---	156	38	34.64	47	2	42.55
52.....	80	5	6.25	---	---	---	92	2	12.82	---	---	---
53.....	304	2	6.58	---	---	---	111	4	36.04	---	---	---
	240,302	3,519	14.64	1,618	28	17.30	83,266	2,136	25.65	14,217	453	31.86

TABLE 7c.—Showing the distribution of deaths and of population by vital statistics.

Statistical division.	Streets.																	
	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.					
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.	
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.
1.	163	10	88	17	450	3	225	4	1,874	2	836	4	9,152	120	4,653	66	11,639	
2.	58	12	30	21	235	3	178	5	899	3	673	8	5,170	72	3,138	53	6,362	
3.	123	24	36	11	469	10	165	2	1,769	8	566	8	5,274	77	1,770	43	7,635	
4.	12	4	30	7	57	1	135	3	187	8	475	5	401	6	1,231	32	657	
5.	152	24	136	39	590	6	440	10	2,114	8	1,601	10	7,403	101	5,574	111	10,229	
6.	141	17	22	13	515	6	98	2	2,203	7	417	4	12,608	192	2,156	35	15,467	
7.	83	12	4	7	286	11	31	1	1,124	10	77	6	8,000	162	752	42	9,493	
8.	335	42	34	5	1,125	9	61	5	3,883	8	2,035	13	9,311	124	926	41	14,654	
9.	269	34	174	54	1,027	9	654	10	3,211	8	610	12	9,960	173	2,060	59	13,135	
0.	184	31	33	13	686	4	152	11	2,335	6	1,259	11	1,251	24	4,082	87	2,056	
1.	55	9	110	34	231	3	414	9	519	3	930	10	2,022	40	2,100	61	3,122	
2.	94	6	103	18	282	5	298	8	724	3	240	2	2,508	27	708	7	4,348	
3.	130	14	31	7	465	2	115	2	1,185	3	4	3	9,907	174	1,032	32	15,019	
4.	371	31	42	9	1,072	6	121	5	3,669	12	4	4	7,168	113	1,370	25	10,452	
5.	190	19	44	8	595	9	169	3	2,499	8	7	7	3,668	60	1,263	26	6,258	
6.	147	23	43	22	570	7	187	4	1,873	9	4	4	7,783	112	1,289	21	12,682	
7.	323	26	48	10	1,098	5	189	4	3,478	6	3	3	6,399	76	685	15	9,815	
8.	217	20	28	5	738	4	79	3	2,461	6	1	1	1,505	17	454	10	2,818	
9.	88	9	29	6	304	2	77	1	921	1	552	2	1,589	26	1,208	23	2,522	
0.	11	10	25	8	208	4	82	2	654	3	153	2	507	5	284	8	887	
1.	3	1	23	3	15	1	104	1	37	1	286	2	69	2	502	7	124	
2.	18	2	2	2	44	2	8	1	136	1	29	2	328	9	33	1	719	
3.	4	4	2	1	87	1	4	1	283	1	236	6	2,010	32	581	19	3,594	
4.	102	12	31	18	357	2	92	3	70	1	5	1	2,572	173	589	43	2,648	
5.	0	1	0	0	6	0	0	2	498	2	744	8	1,010	31	1,513	67	1,753	
6.	58	6	61	16	189	1	249	0	241	1	205	1	221	7	11	7	503	
7.	7	4	0	1	34	1	0	1	282	2	5	5	487	8	7	2	870	
8.	20	2	0	1	81	1	0	0	732	2	422	3	1,167	14	603	15	2,105	
9.	50	11	32	7	156	1	99	1	617	1	57	1	1,604	22	85	1	2,421	
0.	32	3	3	3	168	1	16	0	971	1	63	1	1,533	20	134	6	2,801	
1.	69	9	6	6	228	1	20	20	1,566	2	323	4	4,113	43	825	25	6,340	
2.	138	8	24	4	523	2	78	4	201	3	983	8	416	7	1,496	54	695	
3.	12	2	60	14	66	2	226	5	1,720	3	805	9	5,838	69	2,101	50	8,150	
4.	136	9	81	26	436	6	273	7	1,161	1	84	3	3,606	57	286	8	5,281	
5.	122	12	6	3	392	3	23	2	163	1	58	3	1,436	58	162	5	1,641	
6.	12	1	3	1	30	0	17	0	337	1	7	1	671	9	16	1	1,148	
7.	37	0	0	103	87	1	1	1	261	1	16	1	446	13	187	6	1,144	
8.	18	0	1	93	2	22	2	343	158	4	16	4	398	16	47	9	625	
9.	20	3	13	1	59	3	2	1	81	1	79	1	154	1	160	3	269	
0.	10	4	2	1	27	0	29	0	331	3	31	2	1,041	13	96	1	1,491	
1.	7	1	7	2	100	1	3	1	783	1	62	2	3,243	30	402	2	4,244	
2.	19	3	0	3	165	1	103	3	175	1	319	1	494	5	5	5	732	
3.	53	1	23	1	48	0	43	2	819	1	150	1	575	11	347	7	2,288	
4.	15	1	7	2	35	1	1	1	207	3	131	5	3,456	60	1,535	34	5,113	
5.	16	1	2	16	361	3	125	4	1,191	3	48	3	898	18	358	5	1,444	
6.	105	6	33	5	121	2	29	0	417	1	297	4	3,739	91	675	25	6,225	
7.	38	12	8	6	464	10	96	3	337	1	48	4	574	9	86	1	1,048	
8.	128	15	29	4	112	1	2	0	19	1	82	4	56	4	8	3	304	
9.	25	3	4	1	31	0	18	0	98	0	46	0	173	2	46	0	0	
0.	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
1.	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total.	4,559	518	1,566	455	15,921	147	5,630	142	55,127	150	19,587	199	164,095	2,704	56,483	1,340	240,302	

TABLE 7c.—Showing the distribution of deaths and of population by vital statistics districts, arranged by streets and alleys, and according to age and race, for the calendar year 1908.

Statistical division.	Streets.																Alleys.																							
	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.				Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.					
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.						
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.						
163	10	88	17	450	3	225	4	1,874	2	836	4	9,152	120	4,653	66	11,639	135	5,802	91	1	9	2	7	26	1	19	55	44	213	8	71	303	11							
58	12	30	21	235	3	178	5	899	3	673	8	5,170	72	3,138	53	6,362	90	4,019	87	2	26	9	2	88	4	19	249	19	612	13	30	975	28							
123	24	36	11	469	10	165	2	1,769	8	506	8	5,274	77	1,770	43	7,635	119	2,537	64	1	19	5	2	83	4	2	214	4	563	17	3	879	30							
12	4	30	7	57	1	135	3	187	8	475	5	401	6	1,231	32	657	11	1,871	47	2	2	10	1	2	24	66	2	145	5	6	237	5								
152	24	136	39	590	6	440	10	2,114	8	1,601	10	7,403	101	5,574	111	10,259	139	7,751	170	26	10	1	91	3	4	234	3	595	10	17	946	26								
141	17	22	13	515	6	98	2	2,203	7	417	4	12,608	192	2,156	35	15,467	222	2,093	54	2	6	5	1	45	3	7	127	4	414	10	20	592	22							
83	12	4	7	286	31	1	1,124	8	77	6	8,000	162	752	42	9,493	182	864	56	10	3	21	8	18	98	2	0	19	86	2	29	114	3								
335	42	34	5	1,125	11	61	5	3,883	10	281	5	9,311	124	926	41	14,654	187	1,302	56	10	3	21	8	18	98	2	75	323	3	127	5	230	8							
209	34	174	54	1,027	9	654	16	3,211	8	2,035	13	8,628	162	6,057	126	13,135	213	8,920	209	4	3	3	35	6	15	305	12	13	744	12	23	2	1,807	73						
184	31	33	13	686	4	152	11	2,335	6	610	12	9,960	173	2,060	59	13,165	214	2,855	95	3	3	3	35	6	15	88	1	53	281	1	161	2	775	9						
55	9	110	34	231	3	414	9	519	3	1,259	11	1,251	24	4,082	87	2,056	39	5,865	141	14	1	36	11	54	160	5	85	357	6	280	9	433	1							
94	6	103	18	282	5	298	8	724	1	930	10	2,022	40	2,100	61	3,122	52	3,431	97	1	1	0	2	7	20	2	0	66	6	1	151	8	2	243	11					
130	14	31	7	465	2	115	2	1,185	3	260	2	2,568	27	708	7	4,348	46	1,114	18	15	4	27	7	41	67	3	73	161	2	179	1	389	7							
371	31	42	9	1,072	6	121	5	3,669	12	4	3	9,907	174	1,032	32	15,019	223	1,619	49	15	4	4	4	90	2	5	198	2	12	418	12	23	724	20						
190	19	44	8	595	9	169	3	2,499	8	36	7	7,168	113	1,370	25	10,452	149	2,056	44	2	2	1	15	8	9	23	3	2	167	3	6	293	15							
147	23	43	22	570	7	187	4	1,873	9	7	4	3,478	8	1,289	112	7,783	112	2,111	39	2	1	8	2	2	9	3	2	94	1	2	106	1	61	20						
323	26	48	10	1,098	5	189	4	3,478	8	3	3	6,399	76	685	15	9,815	106	1,095	26	2	1	14	4	2	23	3	2	129	2	1	255	2	2	438	10					
217	20	28	5	738	4	79	3	2,461	6	2	2	1,505	17	454	10	2,818	29	855	21	2	1	5	2	2	40	2	1	11	1	21	1	64	35	1						
88	9	29	6	304	2	77	1	921	1	136	2	212	48	33	1	719	15	55	4	2	1	5	15	55	4	1	719	15	55	4	1	719	15	55	4					
71	10	25	8	208	4	82	2	654	3	352	2	1,589	26	1,268	23	2,522	43	1,727	35	2	1	5	2	2	15	3	915	13	13	1	1	1	1	1						
3	1	23	3	15	1	104	1	37	1	296	2	69	7	124	3	915	13	1	13	13	2	1	5	15	55	4	1	719	15	55	4	1	719	15	55	4				
18	2	2	1	87	1	4	1	283	1	16	2	328	9	33	1	719	15	55	4	2	1	5	15	55	4	1	719	15	55	4	1	719	15	55	4					
21	4	2	1	87	1	4	1	283	1	16	2	328	9	33	1	719	15	55	4	2	1	5	15	55	4	1	719	15	55	4	1	719	15	55	4					
102	12	31	18	357	2	92	3	1,125	4	296	6	2,010	32	581	19	3,594	50	1,000	46	0	1	31	18	357	2	92	3	1,125	4	296	6	2,010	32	581	19					
0	1	0	0	6	0	0	0	70	1	5	1	2,572	173	589	43	2,648	175	594	44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
58	6	61	16	189	1	249	2	498	2	744	8	1,010	31	1,513	67	1,755	40	2,567	93	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
7	4	0	1	34	1	0	0	241	1	205	1	221	7	11	7	503	10	12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
20	0	1	1	81	0	282	2	422	3	487	8	7	8	7	2	870	10	12	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
50	11	32	7	156	1	99	1	732	2	57	3	1,167	14	603	15	2,105	28	1,156	26	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
32	3	3	3	108	16	617	1	1	1	1	1	1,604	22	85	1	2,421	26	161	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
69	9	6	4	228	1	20	78	971	2	63	4	4,113	43	825	25	6,340	55	1,250	37	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
138	8	24	4	523	2	78	4	1,566	2	323	4	4,113	43	825	25	6,340	55	1,250	37	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
12	2	60	14	66	2	226	5	201	3	983	8	416	69	2,101	50	8,150	87	3,260	92	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
136	9	81	26	456	6	273	7	1,720	3	805	9	5,838	69	2,101	50	8,150	87	3,260	92	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
122	12	6	3	392	3	23	2	1,161	1	84	3	3,606	57	286	8	5,281	73	399	16	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
12	1	3	1	30	17	1	1	163	58	162	5	1,641	59	240	6	1,148	16	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
37	0	103	1	103	1	1	1	337	7	446	2	29	2	812	2	1,148	16	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
18	0	1	1	83	2	22	2	343	72	688	13	187	6	1,144	18	1,144	18	294	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
29	3	13	1	93	2	22	2	343	72	688	13	187	6	1,144	18	1,144	18	294	7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
10	4	2	1	59	3	2	1	158	4	16	4	398	16	47	9	625	27	67	15	5	1	1	1	1	1	1	1													

de
is

1.30
3.16
12.55

TABLE 7d.—Showing the distribution of population and of deaths in alleys, arranged according to vital statistics districts, and according to race and age, for the calendar year 1908.

Name of alley.	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.
Section 1:																				
Phillips court.....	4	1			13				4				12		62	1	103		2	
Alley in square 67.....			3						2				8		3		3			
Twine alley.....	1				1				4				10		10		16		16	
Ward court.....	3	1			8	1							2		74	7	101		9	
Brainard street.....	1				3				3						21		28			
Dunns alley.....									5				9		32		39			
Alley in square 110.....	1		4		1				3				6		8		10			
Alley in square 192.....									5				7		3		3			
Section 2:																				
Fussells court.....	1	1			6										33	1	57		2	
Connors court.....	1														23	2	46			
Reeds court.....		2			4	2							1		34	1	51		5	
Stevens court.....	3				6										77	1	111			
Johnson court, square 74.....	1				1				3						14		19		1	
Alexanders court.....	1				10	1			22						49	2	82		3	
Lees court.....			3		3				5						28		36			
Government court.....	2				10				32	1			7		67	2	113		4	
Constitution alley.....	4	1	1												21		28		3	
Lingers alley.....	2	2			15	1			41				4		83		141			
Queens court.....	2				6				34						51		95			
Summer alley.....	4				13				29				3		68	2	115		3	
Union alley.....	5	1	1		6				9				4		64	1	81		1	
Section 3:																				
Kings court, square 4.....	2				3				9						35	1	49		1	
Greens court.....	3	1			4				19						33	3	59		4	
Hughes court.....	1	1			15				39	1					79	4	134		6	
Gallagher court.....					7										15		15		1	
Snows row.....	1	4	1		18	3			52	1			2		149	3	223		8	
St. Mary's court.....					3				9						19		31			
St. Pauls court.....					3				9						27		39			
Bessels court.....	1				5				9						12		27			
Doves court.....									4						10		14		2	
Dalys court.....	1				2										18	2	26			

TABLE 7d.—Showing the distribution of population and of deaths in alleys, arranged according to vital statistics districts, and according to race and age, for the calendar year 1908—Continued.

Name of alley.	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.
Section 3—Continued.																				
Johnson court.....			1	1			6				12			1	55	1	74	2	91	2
Columbia terrace.....			3	1			9	1			20				46	2	59	2	75	4
O'Brien court.....			1				5				23	2			12		19		19	
Trimble alley.....			1				3				3				2	3				
Bells alley.....											1									
Section 4:																				
Fletcher hill.....			1														14			2
Ricketts court.....							12				22				28	2	62		14	
Wilcox court.....							2				2				12		14		14	
Greens court.....			1				8				17				31	3	57		57	3
Hayes court.....							4			4	25			2	61		90		90	
Section 5:																				
Waverly terrace.....			2				4				17				27	1	48		88	1
Liberty street.....			8	2		2	10				15			5	61		7		260	9
Chester court.....			5	1			24				53	1		3	134	3	3		130	3
Cedar street.....			1				7			2	22			3	96	2	5		130	
Davidson court.....			2				1				3				10		2		15	
Temperance avenue.....			1				21	2			33	1			36		2		152	4
Valley street.....							6				20				39		18		165	
Quaker court.....				1			5				6				13	2	16		16	3
Davis court.....							1								3		3		3	
Alley in square 336.....							3				17	1			20		42		40	4
Union court, square 358.....			2				4				13				21		40		90	
Huttons court.....			3				9				23				55		20		20	
Nine-and-a-half street.....			1				1				1				11					
Wynns court.....							5				20				26	2	6		52	3
Section 6:																				
Vermont court.....			1				1	1		2					17		5		77	1
Wiley court.....							8				14				58	1	1		25	
Greens court.....			1				4				6				16	1			25	
Vincent court.....							1				3				17				25	
Duirs court.....							3				5				17				25	
Nallors alley, square 367.....				2			8				18				50				76	2

[illegible]

TABLE 7d.—Showing the distribution of population and of deaths in alleys, arranged according to vital statistics districts, and according to race and age, for the calendar year 1908—Continued.

Name of alley.	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.
Section 9:																				
Marion court.....	4		6	1			15	2			32				57					
Freemans alley.....	2	3	7				34		2		79	1	4	1	122					3
Sievers court.....	1	1	2				6				11				20					1
Madison court.....	1		2				13				20				28					1
Wards alley.....	1		2				59	2	5		13				44					
Goat alley.....	1	2	2				5				155		14	1	242					12
Barrs court.....			3				33				62				20					1
Hollidge court.....			12	1			41				102				112					2
O street alley.....			26	2			30	1			71		6		178					2
Kings court, square 512.....			22	1			6				10				128					5
Ridge street alley.....			3				25				21				33					2
Browns court.....			13				26	1			70		3		113					3
Natons alley, square 515.....			16				22				94		6		137					6
Brooks court.....	1	1	3				6				43				70					1
Brookmore street.....			5				15				15				22					2
Kingens court.....			11				24				54				84					33
Pierce street court.....	4		11	4			15	2			79		16		115					
A B C alley.....	1	2	5	1			14				50		3		70					6
Half street court.....	2		6				20				74		1		102					1
Loran place.....	3		21				37				123		2		184					3
Fenton place.....	5	1	26	1			75				231		11		337					13
Le Droit court.....	13		12				25				39		1		89					1
Glick alley.....	3		23				65		8		111				206					5
Richardson court.....	7	2	17				33	2			60		1		117					7
Reeves court.....	13	2	28	1			106		3		160		4		307					
Section 10:																				
Decatur court.....			2				11				21				34					
Essex court.....	2		5				13		19		25		1		45					
Bates alley.....							1		1		1				12					1
Prather alley.....	1		5				9		2		46		1		61					
Doughas court.....			1				3				12				16					
Washington court.....	2		1				8				33				44					

Hines alley.....	2	1	2	3	6	68	4	79	1	15
Census court.....				2	9		20			31
Jackson Hall alley.....				2	12		46			31
Seaton court.....				3	19		42			60
Balls alley.....				9	33	1	80	2		127
Hornes court.....				1	9		40			51
Madison alley.....				11	32	1	114	1		162
Chews alley.....				8	22		55	1		87
Union court.....				5	21		46	2		76
Adams Express alley.....				6	15		41	5		64
Purdys court.....				1	34		83	71	1	136
Jackson alley.....				14	21		15	7		23
Fitzgerald place.....				3	19		35		2	64
Dingman place.....				6	1		6			7
McCullough street.....				1						2
Section 11:										
Armory place.....				2	2		27	2	58	31
Grays court.....				28	57	1	151	8	273	10
Willowtree alley.....				11	72		132			228
Crabtree court.....				12	3		15			13
Clarks court.....				10	29	1	56	2		88
Pleasant alley.....				8	9	2	79	2		8
Knox alley.....				9	14		31			119
Broad alley.....				8	29		61	4		50
Dixon court.....				25	54		140	7		87
Syphax court.....				2	16		10			227
Alens court.....				8	16		53	1		18
Van street alley.....				6	4		13			79
Snakers court.....				11	1		5			23
Budley place.....				2	24		20	1		6
T wo-and-a-half street.....				2	2		57	1	3	32
Quinn court.....				2	8		10	1	7	84
Pearree court.....				9	2		7			13
Limerick alley.....				1	15	1	39	2		17
Sullivans court.....				1	3		10			64
Ellasons court.....				1	3		14			3
O'Nells court.....				1	2		11			14
Browns court.....				1	19		40			60
Desmonds alley.....				3	26	1	43	1		80
Leonards court.....				3	11		20			2
H street alley.....				1	4		12			34
Wondus court.....				1	3		4			16
Capital court.....				1	10		3			8
Temple court.....				6	10		13	91		3
Christian court.....				1	2		36	1		24
Section 12:										
Clarks alley.....				2	14		17	1		34
Nolans court.....				13	36		84	6	2	136
Pierce court.....				5	16		44	1		67
Church alley.....				1	6		6			3
Section 13:										
Fenton court.....				1	6	1	11	7	2	18

TABLE 7d.—Showing the distribution of population and deaths in alleys, arranged according to vital statistics districts, and according to race and age, for the calendar year 1908—Continued.

Name of alley.	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.
Section 14:																				
Dejeux court.....	1				1		2		29	2	7		2		25		4		34	
Schotts alley.....	10			2	29		7				10		104		33		172		50	
Hunts court.....							1		3		2		2		4		5		7	
Gordons avenue.....			5	2			21				55	1							189	7
Bassett alley.....			2				2				5								19	1
Terrace court.....			4	1			4				10								43	2
Pleasant court.....					1		1				2		16				17		5	
Three-and-a-half street.....			2	1			6				19								89	1
Grafts court.....			3				6				11								48	2
Douglas court.....			3	1			3				10	1							46	3
Millers court.....			2				6				8								36	
Blairst court.....			2				5				15								43	
Brewers court.....	4	3	3		10		3		41		7		55	1	20		110	4	33	
Alley in square 808.....		1													1			1	2	
Section 15:																				
Rumsey court.....			1	1			2				15				31	1			49	2
Rupperts court.....																			8	
Harris court.....							1				10				18				29	
Browns court.....			5				16	2			20				77	2			118	4
Maurers court.....			2				6				6				16				30	
Marks alley.....			2				13				47				66				128	2
Navy place.....	2		6	3	4		52		5		100	2	12		202	7	23		362	12
Section 16:																				
L street alley.....							2				1				6					
M street alley.....													1				1			
Dicks court.....	1				1														10	
Mechanics place.....									10										67	1
Eleven-and-a-half street alley.....																			23	
London court.....	1				2				9											
Alley between Eleventh and Twelfth and N and O streets.....			1				7				14				30				.52	
					2								3				5			

Section 17: St. James court. Greens court. Alley in square 935. Getts alley. Wyle court. Linden court. Childs court.	62	13	378	114	180	0	1,341	49	391	2	3,560	43	985	13	8,938	247	1,618	28	14,217	453
	St. James court.			1				3				6				10			20	
	Greens court.				1			2				10				17			29	1
	Alley in square 935.															3			4	
	Getts alley.																		12	
	Wyle court.			3	2	2				2		46				8				115	3
Section 18: Alley between B and C and Eighth and Ninth streets. Odd Fellows Hall alley. Alley between North Carolina avenue and Ninth and Tenth streets. Ablers court. Gessfords court. Hope avenue alley. Cookseys court. Harrison avenue alley. Guethers court.			5	5				8				26	1			59	2		98	11
	Childs court.							1				1				13			15	
	Alley between B and C and Eighth and Ninth streets.															2			2	
	Odd Fellows Hall alley.			2				2				11				27			42	
	Alley between North Carolina avenue and Ninth and Tenth streets.																		2	
	Ablers court.			2	1			2				8				20			32	1
Section 19: T alley. Graceland court. Fitzhugh court. Kings Palace alley.																			53	2
	T alley.															2			62	3
	Graceland court.															29			109	3
	Fitzhugh court.			5				12	2			30				62	1		95	1
	Kings Palace alley.			4				11				27	1			53			69	3
				1	2			6	1			23	1	1		39	2		34	
Section 20: Files court. Pomeroy court. Blands court, square 3072. Shadd row. Blands alley, square 3070.								5				8				21				
	Files court.															15			22	
	Pomeroy court.			1				1				5				6	1		13	1
	Blands court, square 3072.																		71	
	Shadd row.															43			53	2
	Blands alley, square 3070.															21				
Section 34: Files court. Pomeroy court. Blands court, square 3072. Shadd row. Blands alley, square 3070.								6				21								
	Files court.							9				19								
	Pomeroy court.																			
	Blands court, square 3072.																			
	Shadd row.																			
	Blands alley, square 3070.																			
Section 35: Fitzmorris.																				
	Fitzmorris.							3				3				22	2		28	2
Section 48: Congress alley. Rock court. Brown street. Scott street. Canton place.								2				7				25			34	
	Congress alley.							3												
	Rock court.			4	2							21				52			80	2
	Brown street.	1				2			9				15			3			3	
	Scott street.			1				5	2			16	6	1		28	8	1	50	
	Canton place.							1				5				4			10	
Section 49: Dyers court. Cherry Hill. Waters. Cooper Shop alley, square 1189. Cooper Shop alley, square 1190.								3												
	Dyers court.	1		1		1			3			7				33			44	
	Cherry Hill.			6				10				24				44				
	Waters.							2				1				8			11	
	Cooper Shop alley, square 1189.			1								2				7	1		10	1
	Cooper Shop alley, square 1190.															3			3	
Section 50: Dry Dock alley. Blundons alley. Bells court.													1				1			
	Dry Dock alley.																			
	Blundons alley.																			
	Bells court.			1					1							4			5	1
Total.																				

TABLE 7d.—Showing the distribution of population and deaths in alleys, arranged according to vital statistics districts, and according to race and age, for the calendar year 1908—Continued.

SUMMARY.

Name of alley.	Under 1 year.				1 to 4 years, inclusive.				5 to 20 years, inclusive.				21 years and over.				Total by color.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.	Colored.		
	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.	Population.	Deaths.				
VITAL STATISTICS SECTIONS.																				
1.	1	—	9	2	26	1	19	—	55	—	44	—	213	8	71	—	303	11		
2.	2	—	26	9	88	4	7	—	249	2	19	—	612	13	30	—	975	30		
3.	1	—	19	5	83	4	4	—	214	4	2	1	563	17	3	—	879	28		
4.	—	—	2	—	24	—	4	—	66	—	—	—	145	5	6	—	237	5		
5.	—	—	26	10	91	3	4	—	254	3	12	—	595	10	17	—	946	26		
6.	—	—	6	5	45	3	7	—	127	4	12	3	414	10	20	—	592	22		
7.	—	—	2	—	7	—	—	—	19	—	29	—	86	2	29	—	114	—		
8.	10	3	21	8	98	2	75	—	323	3	127	5	889	20	230	8	1,324	33		
9.	3	—	96	28	305	12	13	—	744	12	23	—	1,807	73	57	2	2,952	125		
10.	3	—	35	6	88	1	53	—	281	1	161	—	775	9	292	5	1,179	17		
11.	14	1	36	11	160	5	85	—	357	6	280	—	943	32	433	1	1,516	54		
12.	—	—	6	1	20	2	—	—	66	—	—	—	151	7	—	—	243	11		
13.	—	—	2	—	1	—	—	—	6	—	1	—	11	8	—	—	18	10		
14.	15	4	27	7	67	3	73	—	161	2	179	1	389	7	308	7	644	19		
15.	2	—	18	4	90	2	5	—	198	2	12	—	418	12	23	—	724	20		
16.	—	—	15	9	45	—	29	—	15	—	54	—	36	—	106	1	61	—		
17.	8	1	9	8	23	3	2	—	94	1	2	—	167	3	—	—	293	15		
18.	—	—	14	4	40	2	1	—	129	2	1	—	255	2	9	—	438	10		
19.	—	—	1	—	2	—	—	—	11	—	—	—	21	1	—	—	35	—		
20.	—	—	5	2	15	—	—	—	40	—	—	—	64	—	—	—	124	2		
21.	—	—	5	—	25	1	1	—	66	—	—	—	120	3	—	—	216	2		
22.	—	—	—	—	3	—	—	—	3	—	—	—	98	—	—	—	98	2		
23.	—	—	—	—	11	—	11	—	49	—	21	1	112	2	—	—	177	2		
24.	1	—	5	2	11	—	3	—	34	—	3	—	95	1	—	—	132	2		
25.	1	—	8	—	15	—	—	—	19	—	—	—	22	2	—	—	47	2		
26.	—	—	1	—	5	—	—	—	—	—	—	—	22	1	—	—	—	—		
27.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
28.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
29.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
30.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Total.....	62	13	378	114	180	0	1,341	49	391	2	3,560	43	985	13	8,938	247	1,618	28	14,217	453

TABLE 7c.—Showing deaths in alleys in the District of Columbia from certain contagious and other diseases, arranged according to race and vital statistics districts, for the calendar year 1908.

Name of alley.	Diphtheria.		Scarlet fever.		Typhoid fever.		Whooping cough.		Diarrhea (under 2 years).		Pneumonia.		Bronchitis.		Pulmonary congestion.		Pulmonary tuberculosis.		Total.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	All.
Section 1:																					
Ward place.....											1						2		3		3
Section 2:																					
Fussells court.....											1						1		2		2
Connors court.....																	2		2		2
Reeds court.....																	1		1		1
Alexander court.....											1						1		2		2
Government alley.....									1								1		2		2
Constitution alley.....									2										2		2
Lingers court.....													1				1		2		2
Sumner court.....											1		1						1		1
Section 3:																					
Green court.....																	1		1		1
Hughes court.....											2						2		4		4
Snows court.....											2						1		3		3
Daleys court.....											1								1		1
Johnsons court.....									1		1								2		2
Columbia terrace.....											1								1		1
O'Briens court.....													1				2		3		3
Section 5:																					
Liberty street.....									1		1								2		2
Chester court.....									1		2								3		3
Cedar street.....											1						1		1		1
Temperance.....											3						1		4		4
Quaker court.....																	2		2		2
Union court.....						1		1											2		2
Section 6:																					
Vermont court.....											1						1		2		2
Vincent court.....											1								1		1
Blagdens alley.....											1						4		5		5
Shepherds court.....	1								1								1		3		3
Section 7:																					
Foundry place.....																	1		1		1
Section 8:																					
Monument court.....																	1		1		1
Dinsmore court.....																	1		1		1
Delaneys court.....											1								1		1
Millers court.....											1								1		1
Burks court.....																	1		1		1
K street alley.....																	1		1		1
Cullinane alley.....											1								1		1
Locust court.....													1						1		1
Union court.....									1								2		2		3
Huntoon court.....									1								1		1		1
Section 9:																					
Marion court.....											1						2		7		7
Freemans alley.....											1								2		2
Madison alley.....											1								1		1
Goat alley.....											1								6		6
Barrs court.....																	4		1		1
Hollidge court.....											1						1		1		1
O street alley.....											1								3		3
King court.....																	2		2		2
Browns court.....																	2		2		2
Brooks court.....													1						3		3
Clingers court.....					1												1		1		1
Pierce court.....											7						8		18		18
A B C alley.....											2						1		4		4
One-half street.....													1						1		1
Logan place.....											1								1		1
Fenton place.....											1						4		5		5
Richardson court.....																	2		2		2
Reeves court.....											1						1		2		2
Section 10:																					
Bates court.....																	1		1		1
Balls court.....																			3		3
Jackson Hall alley.....											2						1		1		1
Purdys court.....									1										1		1
Madison alley.....																	1		1		1

TABLE 8.—Showing the places of interment or other disposition of remains in the District of Columbia during the calendar year 1908.

Cemeteries.	Persons dying in the District of Columbia.			Persons brought into District of Columbia.		
	White.	Colored.	All.	White.	Colored.	All.
Adas Israel (Hebrew).....	9	—	9	2	—	2
Anatomical Board.....	12	72	84	—	—	—
Baptist.....	—	24	24	—	1	1
Christian.....	—	12	12	—	3	3
Congressional.....	445	—	445	55	—	55
Convent, Georgetown.....	2	—	2	—	—	—
Crematorium (Lee's).....	46	1	47	7	—	7
Crematorium (District of Columbia).....	11	34	45	—	—	—
Georgetown University.....	1	—	1	—	—	—
Glenwood.....	481	—	481	68	—	68
Government Hospital for Insane.....	34	12	46	—	—	—
Holy Rood.....	88	19	107	5	2	7
Hohas Shalom (Hebrew).....	20	—	20	1	—	1
Harmony.....	2	758	760	—	45	45
Hillsdale.....	—	1	1	—	—	—
Moore's.....	1	153	154	—	—	—
Mount Zion.....	—	116	116	—	6	6
Mount Olivet.....	639	183	822	53	13	66
Methodists.....	22	1	23	4	—	4
Macedonia.....	—	9	9	—	1	1
National at Arlington.....	229	37	266	38	3	41
National Soldiers' Home.....	52	2	54	1	—	1
Oak Hill.....	125	—	125	51	—	51
Out of town.....	745	306	1,051	24	4	28
Potters' Field.....	56	227	283	—	—	—
Prospect.....	126	—	126	7	—	7
Paynes.....	1	475	476	—	19	19
Rock Creek.....	298	—	298	78	—	78
St. Alban's.....	2	—	2	—	—	—
St. Mary's.....	64	—	64	3	—	3
Talmud Torah (Hebrew).....	10	—	10	1	—	1
Veitch.....	—	1	1	—	—	—
Woodlawn.....	13	146	159	1	4	5
Washington Hebrew.....	13	—	13	8	—	8
Total.....	3,547	2,589	6,136	407	101	508

TABLE 9.—Showing the estimated population, deaths, and death rate in the District of Columbia, by race and calendar years, from 1896 to 1908.

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 a.....	194,517	89,272	283,789	3,238	2,573	5,811	16.65	28.82	20.48
1901.....	207,800	91,800	299,600	3,355	2,695	6,050	16.15	29.36	20.19
1902.....	212,600	92,800	305,400	3,192	2,596	5,788	15.01	27.97	18.95
1903.....	217,600	93,700	311,300	3,398	2,546	5,944	15.62	27.17	19.09
1904.....	222,600	94,600	317,200	3,580	2,641	6,221	16.08	27.92	19.61
1905.....	227,428	95,695	323,123	3,448	2,757	6,205	15.16	28.81	19.20
1901-1905 a.....	217,606	93,719	311,325	3,395	2,647	6,042	15.60	28.20	19.41
1906.....	231,417	95,018	326,435	3,578	2,738	6,316	15.46	28.82	19.35
1907.....	233,403	96,188	329,591	3,629	2,714	6,343	15.55	28.22	19.25
1908.....	241,920	97,483	339,403	3,547	2,589	6,136	14.66	26.56	18.08

a Annual average for 5-year period.

TABLE 7e.—Showing deaths in alleys in the District of Columbia from certain contagious and other diseases, arranged according to race and vital statistics districts, for the calendar year 1908—Continued.

Name of alley.	Diphtheria.		Scarlet fever.		Typhoid fever.		Whooping cough.		Diarrhea (under 2 years).		Pneumonia.		Bronchitis.		Pulmonary congestion.		Pulmonary tuberculosis.		Total.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	All.
Section 10—Cont'd.																					
Chews alley.....											1								1		1
Union court.....																	1		1		1
McCullough street.....									2										2		2
Section 11:																					
Armory court.....											1								1		1
Willow-tree court.....									2								2		4		4
Clarks court.....									1								1		2		2
Pleasant alley.....							1		2		1						2		6		6
Broad alley.....											1						1		2		2
Dixons court.....					1						5						5		11		11
Dudley place.....							1												1		1
B ₃ street.....													1						1		1
Limerick alley.....																	1		1		1
Browns court.....																	1		2		2
Temple court.....													1						1		1
Section 12:																					
Nolans court.....											1						3		4		4
Pierce court.....									1										1		1
Section 13:																					
Fenton street.....									1		1						1		3		3
Section 14:																					
Schotts court.....									1		1	1							1	2	3
Jackson alley.....											1								1		1
Brewers alley.....									1				1						2		2
Gordon avenue.....							2										1		3		3
Terrace place.....									2										2		2
Douglas court.....													1				2		3		3
Section 15:																					
Rumseys court.....											1				1				2		2
Browns court.....											2						1		3		3
Navy place.....											1		2				2		5		5
Section 17:																					
Green court.....											1								1		1
Wylie street.....							1		1										2		2
Linden court.....									2				2				1		7		7
Section 18:																					
Gessford court.....																	1		1		1
Hope avenue.....											1		1				1		3		3
Harrison avenue.....													1						1		1
Section 20:																					
King court.....									1		1								2		2
Section 34:																					
Blands court.....											1								1		1
Section 49:																					
Cooper street alley.....																	1		1		1
Section 50:																					
Blandons alley.....																	1		1		1
Total.....		1			3		6	4	44	2	60	1	12		2	1	91	8	219		227

TABLE 8.—*Showing the places of interment or other disposition of remains in the District of Columbia during the calendar year 1908.*

Cemeteries.	Persons dying in the District of Columbia.			Persons brought into District of Columbia.		
	White.	Colored.	All.	White.	Colored.	All.
Adas Israel (Hebrew).....	9	.....	9	2	.....	2
Anatomical Board.....	12	72	84	.....	.....	.....
Baptist.....	.....	24	24	.....	1	1
Christian.....	.....	12	12	.....	3	3
Congressional.....	445	.....	445	55	.....	55
Convent, Georgetown.....	2	.....	2	.....	.....	.....
Crematorium (Lee's).....	46	1	47	7	.....	7
Crematorium (District of Columbia).....	11	34	45	.....	.....	.....
Georgetown University.....	1	.....	1	.....	.....	.....
Glenwood.....	481	.....	481	68	.....	68
Government Hospital for Insane.....	34	12	46	.....	.....	.....
Holy Rood.....	88	19	107	5	2	7
Hohas Shalom (Hebrew).....	20	.....	20	1	.....	1
Harmony.....	2	758	760	.....	45	45
Hillsdale.....	.....	1	1	.....	.....	.....
Moore's.....	1	153	154	.....	.....	.....
Mount Zion.....	.....	116	116	.....	6	6
Mount Olivet.....	639	183	822	53	13	66
Methodists.....	22	1	23	4	.....	4
Macedonia.....	.....	9	9	.....	1	1
National at Arlington.....	229	37	266	38	3	41
National Soldiers' Home.....	52	2	54	1	.....	1
Oak Hill.....	125	.....	125	51	.....	51
Out of town.....	745	306	1,051	24	4	28
Potters' Field.....	56	227	283	.....	.....	.....
Prospect.....	126	.....	126	7	.....	7
Paynes.....	1	475	476	.....	19	19
Rock Creek.....	298	.....	298	78	.....	78
St. Alban's.....	2	.....	2	.....	.....	.....
St. Mary's.....	64	.....	64	3	.....	3
Talmud Torah (Hebrew).....	10	.....	10	1	.....	1
Veitch.....	.....	1	1	.....	.....	.....
Woodlawn.....	13	146	159	1	4	5
Washington Hebrew.....	13	.....	13	8	.....	8
Total.....	3,547	2,589	6,136	407	101	508

TABLE 9.—*Showing the estimated population, deaths, and death rate in the District of Columbia, by race and calendar years, from 1896 to 1908.*

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ^a	194,517	89,272	283,789	3,238	2,573	5,811	16.65	28.82	20.48
1901.....	207,800	91,800	299,600	3,355	2,695	6,050	16.15	29.36	20.19
1902.....	212,600	92,800	305,400	3,192	2,596	5,788	15.01	27.97	18.95
1903.....	217,600	93,700	311,300	3,398	2,546	5,944	15.62	27.17	19.09
1904.....	222,600	94,600	317,200	3,580	2,641	6,221	16.08	27.92	19.61
1905.....	227,428	95,695	323,123	3,448	2,757	6,205	15.16	28.81	19.20
1901-1905 ^a	217,606	93,719	311,325	3,395	2,647	6,042	15.60	28.20	19.41
1906.....	231,417	95,018	326,435	3,578	2,738	6,316	15.46	28.82	19.35
1907.....	233,403	96,188	329,591	3,629	2,714	6,343	15.55	28.22	19.25
1908.....	241,920	97,483	339,403	3,547	2,589	6,136	14.66	26.56	18.08

^a Annual average for 5-year period.

TABLE 10.—*Showing deaths in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1896 to 1908.*

WHITE MALES.

Year.	Total deaths.	5 years and over.		20 years and over.		40 years and over.	
		Deaths.	Percentage to all deaths.	Deaths.	Percentage to all deaths.	Deaths.	Percentage to all deaths.
1896-1900 ^a	1,764	1,316	74.60	1,216	68.93	906	51.36
1901.....	1,826	1,406	76.99	1,316	72.07	1,002	54.87
1902.....	1,757	1,366	77.74	1,277	72.68	957	54.46
1903.....	1,941	1,552	79.96	1,454	74.91	1,103	56.83
1904.....	1,945	1,571	80.77	1,491	76.65	1,145	58.87
1905.....	1,907	1,541	80.81	1,454	76.24	1,079	56.58
1901-1905 ^a	1,875	1,487	79.31	1,398	74.56	1,057	56.37
1906.....	2,006	1,610	80.26	1,517	75.62	1,176	58.62
1907.....	2,019	1,631	80.78	1,547	76.62	1,199	59.38
1908.....	2,008	1,617	80.53	1,550	77.19	1,223	60.91

WHITE FEMALES.

1896-1900 ^a	1,474	1,105	74.96	1,003	68.05	736	49.93
1901.....	1,529	1,206	78.87	1,123	73.45	826	54.02
1902.....	1,435	1,150	80.13	1,078	75.12	796	55.47
1903.....	1,457	1,171	80.37	1,111	76.25	855	58.68
1904.....	1,635	1,311	80.18	1,227	75.04	922	56.39
1905.....	1,541	1,267	82.22	1,179	76.51	934	60.61
1901-1905 ^a	1,519	1,221	80.38	1,144	75.31	867	57.08
1906.....	1,572	1,238	78.76	1,152	73.28	852	54.19
1907.....	1,610	1,328	82.48	1,244	77.27	995	61.80
1908.....	1,539	1,252	81.35	1,181	76.74	957	62.18

COLORED MALES.

1896-1900 ^a	1,262	723	57.29	605	47.94	369	29.24
1901.....	1,337	847	63.35	754	56.39	464	34.70
1902.....	1,299	787	60.58	690	53.12	441	33.94
1903.....	1,272	810	63.68	731	57.47	458	36.01
1904.....	1,330	892	67.07	801	60.22	512	38.49
1905.....	1,421	920	64.74	830	58.41	501	35.26
1901-1905 ^a	1,332	851	63.89	761	57.88	475	35.66
1906.....	1,445	940	65.05	833	57.65	501	34.67
1907.....	1,378	962	69.81	876	63.57	522	37.88
1908.....	1,286	895	69.59	799	62.13	486	37.79

COLORED FEMALES.

1896-1900 ^a	1,311	820	62.55	663	50.57	404	30.82
1901.....	1,358	914	67.30	796	58.61	489	36.01
1902.....	1,297	845	65.15	702	54.12	419	32.31
1903.....	1,274	903	70.88	780	61.22	477	37.44
1904.....	1,311	915	69.79	776	59.19	499	38.06
1905.....	1,336	912	68.26	767	57.41	470	35.18
1901-1905 ^a	1,315	898	68.29	764	58.10	471	35.82
1906.....	1,293	922	71.30	797	61.64	487	37.66
1907.....	1,336	927	69.39	806	60.33	515	38.55
1908.....	1,303	934	71.68	810	62.16	475	36.45

^a Annual average for 5-year period.

TABLE 11.—*Showing deaths in the District of Columbia and average age of decedents from 1896-1908.*

WHITE.

Year.	All ages.		5 years and over.		20 years and over.		40 years and over.	
	Total deaths.	Average age.	Total deaths.	Average age.	Total deaths.	Average age.	Total deaths.	Average age.
1896-1900 a.....	3,238	y. m. d. 38 1 20	2,421	y. m. d. 50 11 28	2,219	y. m. d. 54 3 27	1,642	y. m. d. 63 5 18
1901.....	3,355	40 4 29	2,234	51 3 28	2,087	54 5 22	1,546	64 1 15
1902.....	3,192	41 1 10	2,470	50 10 25	2,247	52 7 21	1,625	63 5 10
1903.....	3,398	42 9 22	2,456	51 1 25	2,210	54 8 15	1,647	63 10 8
1904.....	3,580	43 8 23	2,599	51 2 28	2,408	55 2 0	1,798	63 9 18
1905.....	3,448	43 5 21	2,612	52 3 5	2,439	54 10 13	1,828	63 3 21
1901-1905 a....	3,395	42 3 21	2,474	51 4 16	2,278	54 4 14	1,689	63 8 14
1906.....	3,578	42 2 24	2,848	52 10 17	2,669	55 7 18	2,028	63 4 24
1907.....	3,629	44 10 14	2,959	54 10 23	2,791	57 5 10	2,194	64 8 24
1908.....	3,547	44 6 7	2,869	54 10 18	2,731	56 11 23	2,180	63 7 18

COLORED.

1896-1900 a.....	2,573	25 0 6	1,543	41 2 15	1,269	47 5 15	773	59 2 22
1901.....	2,695	27 7 15	1,761	42 4 24	1,550	46 3 6	953	58 9 16
1902.....	2,596	26 5 29	1,632	41 8 11	1,392	46 8 1	860	58 1 9
1903.....	2,546	29 2 27	1,713	43 1 16	1,511	46 11 22	935	58 11 17
1904.....	2,641	30 1 12	1,807	43 7 26	1,577	48 0 25	1,011	58 9 5
1905.....	2,757	28 6 10	1,832	42 2 16	1,597	46 9 16	971	58 5 4
1901-1905 a....	2,647	28 4 25	1,749	42 7 12	1,525	46 6 20	946	58 7 10
1906.....	2,738	29 3 4	1,862	42 8 27	1,630	46 10 22	988	57 8 29
1907.....	2,714	30 6 14	1,889	43 6 10	1,682	47 2 23	1,037	58 2 28
1908.....	2,589	30 5 16	1,829	42 9 19	1,609	46 10 1	961	58 6 10

a Annual average for 5-year period.

TABLE 12.—*Showing deaths in the District of Columbia, of children under 1 year of age, by sex and color, and by months and years.*

Calendar year.	January.						February.						March.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 a.....	24	19	43	27	23	50	24	17	41	25	23	48	26	16	42	31	25	56
1901.....	24	19	43	34	33	67	25	19	44	35	18	53	21	16	37	25	16	41
1902.....	29	9	38	29	18	47	19	17	36	31	12	43	21	13	34	16	15	31
1903.....	27	23	50	28	20	48	21	16	37	26	23	49	35	16	51	18	10	28
1904.....	13	15	28	34	22	56	20	12	32	28	24	52	30	20	50	28	19	47
1905.....	14	13	27	26	17	43	21	24	45	22	26	48	24	12	36	24	31	55
1901-1905 a....	21	16	37	30	22	52	21	18	39	28	21	49	26	16	42	22	18	40
1906.....	21	22	43	23	20	43	19	19	38	32	13	45	25	17	42	33	20	53
1907.....	14	17	31	30	22	52	21	13	34	17	23	40	22	16	38	26	21	47
1908.....	24	20	44	19	15	34	21	12	33	23	25	48	32	19	51	40	24	64

a Annual average for 5-year period.

TABLE 12.—*Showing deaths in the District of Columbia, of children under 1 year of age, by sex and color, and by months and years—Continued.*

Calendar year.	April.						May.						June.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ^a	18	14	32	24	24	48	20	13	33	24	21	45	41	29	70	49	46	11
1901.....	22	13	35	19	20	39	18	14	32	18	21	39	31	16	47	49	27	7
1902.....	14	11	25	36	23	59	14	12	26	23	17	40	39	26	65	58	35	9
1903.....	13	10	23	21	13	34	23	16	39	11	25	36	31	20	51	45	31	7
1904.....	17	15	32	13	17	30	18	14	32	15	19	34	21	17	38	35	27	1
1905.....	19	19	38	24	17	41	18	9	27	15	12	27	28	16	44	35	29	1
1901-1905 ^a ..	17	14	31	23	18	41	18	13	21	16	19	35	30	19	49	44	30	7
1906.....	25	17	42	33	15	48	17	16	33	20	17	37	27	27	54	57	40	1
1907.....	20	15	35	13	22	35	12	10	22	20	10	30	17	20	37	25	25	1
1908.....	17	12	29	21	20	41	18	15	33	19	17	36	36	21	57	34	30	1

Calendar year.	July.						August.						September.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ^a	54	46	100	60	58	118	35	28	63	44	31	75	24	26	50	36	32	6
1901.....	54	59	113	71	69	140	28	17	45	33	29	62	26	18	44	24	28	1
1902.....	55	41	96	52	64	116	30	22	52	38	30	68	22	19	41	28	28	1
1903.....	43	32	75	38	45	83	37	17	54	37	30	67	20	17	37	22	17	1
1904.....	53	36	89	54	49	103	36	29	65	40	39	79	24	28	52	28	16	1
1905.....	54	33	87	63	49	112	34	23	57	47	46	93	17	13	30	25	26	1
1901-1905 ^a ..	52	40	92	56	55	111	33	22	55	39	35	74	22	19	41	25	23	1
1906.....	45	36	81	55	48	103	38	30	68	28	21	49	28	25	53	24	26	1
1907.....	49	26	75	56	55	111	41	38	79	44	39	83	40	16	56	25	20	1
1908.....	53	41	94	43	41	84	26	25	51	25	32	57	26	16	42	19	10	1

Calendar year.	October.						November.						December.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ^a	25	21	46	26	20	46	20	18	38	22	18	40	21	15	36	27	18	4
1901.....	32	23	55	28	25	53	18	10	28	13	19	32	6	13	19	24	14	1
1902.....	21	13	34	34	24	58	22	20	42	26	17	43	17	14	31	28	33	1
1903.....	23	13	36	25	13	38	18	18	36	23	13	36	16	8	24	22	23	1
1904.....	20	16	36	25	18	43	19	14	33	13	12	25	14	19	33	16	17	1
1905.....	17	18	35	23	19	42	18	9	27	16	14	30	20	9	29	28	23	1
1901-1905 ^a ..	22	17	39	27	20	47	19	14	33	18	15	33	15	12	27	24	22	1
1906.....	25	25	50	22	19	41	21	13	34	32	21	53	23	11	34	27	15	1
1907.....	23	17	40	27	21	48	18	6	24	9	18	27	31	13	44	21	21	1
1908.....	15	13	28	22	19	41	17	19	36	20	17	37	20	13	33	17	17	1

^a Annual average for 5-year period.

TABLE 12.—*Showing deaths in the District of Columbia, of children under 1 year of age, by sex and color, and by months and years—Continued.*

SUMMARY.

Calendar year.	White.		Colored.		Grand total.		
	M.	F.	M.	F.	W.	C.	Total.
1896-1900 ^a	334	260	393	339	594	732	1,326
1901.....	305	237	373	319	542	692	1,234
1902.....	303	217	399	316	520	715	1,235
1903.....	307	206	316	263	513	579	1,092
1904.....	285	235	329	279	520	608	1,128
1905.....	284	198	348	309	482	657	1,139
1901-1905 ^a	297	218	353	297	515	650	1,165
1906.....	314	258	386	275	572	661	1,233
1907.....	308	207	313	297	515	610	1,125
1908.....	305	226	302	267	531	569	1,100

^a Annual average for 5-year period.TABLE 13.—*Showing deaths in the District of Columbia, by months and race, under 5 years of age.*

Calendar year.	January.			February.			March.			April.			May.			June.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	64	74	138	61	74	135	66	85	151	49	72	121	45	67	112	86	117	203
1901.....	60	89	149	59	70	129	56	65	121	46	62	108	38	56	94	62	94	156
1902.....	53	69	122	47	61	108	49	50	99	38	82	120	37	61	98	76	111	187
1903.....	63	76	139	63	83	146	71	62	133	33	60	93	48	48	96	58	92	150
1904.....	46	82	128	39	69	108	63	66	129	38	50	88	42	46	88	49	78	127
1905.....	45	58	103	70	71	141	45	83	128	48	68	116	35	52	87	54	86	140
1901-1905 ^a	53	75	128	56	71	127	57	65	122	41	64	105	40	53	93	60	92	152
1906.....	58	67	125	45	71	116	57	83	140	58	72	130	48	51	99	66	115	181
1907.....	40	78	118	45	58	103	51	76	127	52	58	110	32	52	84	46	64	110
1908.....	51	54	115	52	67	119	59	90	149	41	52	93	48	54	102	68	78	146

Calendar year.	July.			August.			September.			October.			November.			December.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	126	147	273	81	104	185	69	92	161	62	72	134	55	62	117	53	64	117
1901.....	137	169	306	61	85	146	63	65	128	65	76	141	47	50	97	49	53	102
1902.....	117	154	271	68	92	160	49	71	120	48	67	115	55	59	114	42	82	124
1903.....	84	113	197	63	84	147	53	53	106	44	50	94	46	49	95	48	63	111
1904.....	106	122	228	85	96	181	67	67	134	59	58	117	52	41	93	52	59	111
1905.....	99	133	232	79	121	200	35	70	105	47	58	105	42	53	95	41	70	111
1901-1905 ^a	109	138	247	71	96	167	53	65	118	52	62	114	48	51	99	47	65	112
1906.....	106	120	226	81	64	145	61	60	121	60	59	119	44	62	106	46	52	98
1907.....	93	129	222	96	96	192	66	59	125	57	58	115	32	35	67	60	62	122
1908.....	112	109	221	60	73	133	50	39	89	35	51	86	46	45	91	46	43	94

^a Annual average for 5-year period.

TABLE 13.—*Showing deaths in the District of Columbia, by months and race, under 5 years of age—Continued.*

SUMMARY.

Calendar year.	White.	Colored.	Total.
1896-1900 <i>a</i>	816	1,031	1,847
1901.....	743	934	1,677
1902.....	679	959	1,638
1903.....	674	833	1,507
1904.....	698	834	1,532
1905.....	640	923	1,563
1901-1905 <i>a</i>	687	896	1,583
1906.....	730	876	1,606
1907.....	670	825	1,495
1908.....	678	760	1,438

a Annual average for 5-year period.TABLE 14.—*Showing percentages of deaths in the District of Columbia under 1 year of age to deaths of all ages, to births, and to deaths of persons under 5 years of age; percentages of deaths of those under 5 years of age to deaths of all ages; also death rates per 100,000 inhabitants of children under 1 and under 5 years of age, for the years mentioned below.*

Calendar year.	Total deaths of those under 1 year of age.	Total deaths of all ages.	Percentage of deaths of those under 1 year to deaths of all ages.	Death rates per 100,000 of those under 1 year.	Total reported births (stillbirths excluded).	Percentage of deaths under 1 year to reported births.	Total deaths of those under 5 years of age.	Percentage of deaths of those under 5 years to deaths of all ages.	Percentage of deaths under 1 to those under 5 years of age.	Death rates per 100,000 of those under 5 years of age.
1896-1900 <i>a</i>	1,326	5,811	22.82	467	4,669	28.39	1,847	31.78	71.80	651
1901.....	1,254	6,050	20.72	418	4,355	28.79	1,677	27.72	74.78	559
1902.....	1,235	5,788	21.34	404	4,932	25.04	1,638	28.30	75.39	536
1903.....	1,092	5,944	18.37	351	5,124	21.31	1,507	25.35	72.46	484
1904.....	1,128	6,221	18.13	356	6,218	18.14	1,532	24.62	73.63	483
1905.....	1,139	6,205	18.36	352	6,415	17.76	1,563	25.19	72.87	483
1901-1905 <i>a</i>	1,170	6,042	19.36	376	5,409	21.63	1,583	26.20	73.91	508
1906.....	1,233	6,316	19.52	378	6,529	18.88	1,606	25.43	76.77	492
1907.....	1,125	6,343	17.74	341	6,873	16.37	1,495	23.57	75.25	453
1908.....	1,100	6,136	17.92	324	7,040	15.63	1,438	23.44	76.47	424

a Annual average for 5-year period.

TABLE 15.—*Showing deaths and death rates in the District of Columbia, by race and by months, from 1896 to 1908, inclusive.*

Calendar year.	January.					February.					March.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1896-1900 a . . .	295	152	206	231	176	274	141	207	232	169	291	149	221	247	180
1901	357	172	251	273	203	309	149	236	257	182	322	155	232	253	185
1902	272	128	257	277	173	262	123	187	201	147	291	137	176	190	153
1903	324	149	251	267	185	321	147	252	269	184	339	156	229	244	182
1904	322	145	270	285	187	327	147	229	242	175	369	166	252	266	196
1905	342	150	225	235	175	315	138	236	247	171	339	149	241	252	179
1901-1905 a . . .	323	148	251	268	184	307	141	228	243	171	332	152	226	241	179
1906	325	140	233	245	171	264	114	245	258	156	318	137	242	255	172
1907	302	138	246	256	166	361	155	244	254	183	334	143	242	251	175
1908	367	151	238	244	178	324	134	222	228	161	338	140	273	280	180
Calendar year.	April.					May.					June.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1896-1900 a . . .	258	133	210	235	165	232	119	188	210	148	249	128	231	258	169
1901	267	128	194	211	154	227	109	188	205	138	230	110	227	247	152
1902	275	129	259	279	175	244	115	209	225	148	270	127	236	254	166
1903	268	123	191	204	147	257	118	193	206	145	253	116	229	244	155
1904	306	137	207	219	162	293	132	224	237	163	266	119	234	247	158
1905	317	139	232	242	170	234	103	189	198	131	248	109	229	239	148
1901-1905 a . . .	287	132	217	231	162	251	115	201	214	145	253	116	231	246	155
1906	302	130	231	243	163	299	129	194	204	151	284	123	241	254	161
1907	299	128	242	251	164	253	108	206	214	139	260	111	194	202	138
1908	270	112	236	242	149	281	116	219	225	147	284	117	208	213	145
Calendar year.	July.					August.					September.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1896-1900 a . . .	347	178	248	278	210	267	137	231	258	175	237	122	214	240	159
1901	390	188	337	367	243	239	115	232	253	157	248	119	204	222	151
1902	293	138	275	296	186	237	111	222	239	150	231	109	190	205	138
1903	282	129	248	264	170	226	103	198	211	136	232	107	164	175	127
1904	305	137	264	279	179	277	124	230	243	160	256	115	177	187	136
1905	298	131	284	297	180	284	125	251	262	166	218	96	194	203	128
1901-1905 a . . .	314	144	282	300	191	253	116	227	242	154	237	109	186	198	136
1906	350	151	294	309	197	290	125	229	241	159	271	117	196	206	143
1907	296	127	284	295	176	279	119	233	242	155	273	117	187	194	139
1908	317	131	271	278	173	244	101	200	205	131	264	109	157	161	124

a Annual average for 5-year period.

TABLE 15.—Table showing deaths and death rates in the District of Columbia, by race and by months, from 1896 to 1908, inclusive—Continued.

Calendar year.	October.					November.					December.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1896-1900 a	262	135	199	223	162	258	133	178	199	154	288	148	201	225	172
1901	262	126	213	232	158	240	115	189	206	143	264	127	192	209	152
1902	276	130	214	231	160	252	119	163	176	136	289	136	208	224	163
1903	273	125	177	189	145	291	134	186	198	153	332	153	228	243	180
1904	263	118	181	191	140	281	126	173	183	143	315	141	200	211	162
1905	278	122	204	213	149	289	127	214	224	156	286	126	258	270	168
1901-1905 a	270	124	198	211	150	271	125	185	197	146	297	136	217	231	165
1906	280	121	208	219	149	269	116	205	216	145	326	141	220	232	167
1907	306	131	211	219	157	274	117	177	184	137	392	168	248	258	194
1908	275	113	197	202	139	294	122	178	183	139	289	119	190	195	141

^a Annual average for 5-year period.

TABLE 16.—Showing the number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below.

Year.	1 Aneurism.						2 Angina pectoris.						3 Apoplexy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	4	3	7	2.0	3.4	2.5	15	3	18	7.7	3.4	6.3	154	91	245	79.2	101.9	86.3
1901.....	5	3	8	2.4	3.3	2.7	18	4	22	8.7	4.4	7.3	172	102	274	82.8	111.1	91.4
1902.....	1	1	2	1.1	1.3	1.9	2	2	21	8.9	2.2	6.9	143	79	222	67.3	85.1	72.7
1903.....	5	1	6	2.3	1.1	1.9	18	4	22	8.3	4.3	7.1	190	92	282	87.3	98.2	90.6
1904.....	7	6	13	3.1	6.3	4.1	12	5	17	5.4	5.3	5.4	196	92	288	88.0	97.3	90.8
1905.....	5	4	9	2.2	4.2	2.8	22	5	27	9.7	5.2	8.4	184	91	275	80.9	95.1	85.1
1901-1905 ^a	4	3	7	1.8	3.2	2.2	18	4	22	8.3	4.3	7.1	177	91	268	81.3	97.1	86.1
1906.....	4	4	8	1.7	4.2	2.5	16	1	17	6.9	1.1	5.2	205	112	317	88.6	117.8	97.1
1907.....	8	8	16	3.4	8.3	4.6	12	4	16	5.1	4.2	4.9	187	95	282	80.1	98.8	85.6
1908.....	5	5	10	2.1	5.1	2.9	20	3	23	8.3	3.1	6.8	199	100	299	82.3	102.6	88.1

Year.	4 Arterio-sclerosis.						5 Bright's disease.						6 Chicken pox.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	3	1	4	1.5	1.1	1.5	176	98	274	90.5	109.8	96.9	.....	.....	.....	.....	.....	.....
1901.....	22	3	25	10.6	3.3	8.3	188	152	340	90.5	165.6	113.5	.....	.....	.....	.....	.....	.....
1902.....	29	16	45	13.6	17.2	14.7	196	131	327	92.2	141.2	107.1	.....	.....	.....	.....	.....	.....
1903.....	30	1	31	13.8	1.1	10.0	225	106	331	103.4	113.1	106.3	.....	1	1	.....	1.1	0.3
1904.....	32	6	38	14.4	6.3	12.0	264	114	378	118.6	120.5	119.1	.....	.....	.....	.....	.....	.....
1905.....	31	6	37	13.6	6.3	11.5	290	134	424	127.6	140.0	131.3	.....	.....	.....	.....	.....	.....
1901-1905 ^a	29	6	35	13.3	6.4	11.2	233	127	360	107.1	135.5	115.6	.....	.....	.....	.....	.....	.....
1906.....	55	9	64	23.8	9.5	19.6	270	156	426	116.7	162.4	130.5	.....	.....	.....	.....	.....	.....
1907.....	73	11	84	31.3	11.4	25.8	261	149	410	111.8	155.0	124.4	.....	.....	.....	.....	.....	.....
1908.....	64	15	79	26.5	15.4	23.2	281	139	420	116.1	142.6	123.7	.....	.....	.....	.....	.....	.....

^a Annual average for 5-year period.

TABLE 16.—*Showing the number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	7 Cholera morbus.						8 Cirrhosis of liver.						9 Diabetes.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....	2	2	4	1.0	2.2	1.5	18	7	25	9.3	7.8	8.8	14	2	16	7.2	2.2	5.6
1901.....	4	1	5	1.9	1.1	1.7	22	2	24	10.6	2.2	8.0	21	2	23	10.1	2.2	7.7
1902.....	1	1	2	.5	1.1	.7	25	3	28	11.8	3.2	9.2	19	8	27	8.9	8.6	8.8
1903.....		1	1		1.1	.3	34	8	42	15.6	8.5	13.5	29	2	31	13.3	2.1	10.0
1904.....	3		3	1.3		.9	39	9	48	17.5	9.5	15.1	29	4	33	13.0	4.2	10.4
1905.....	2		2	.9		.6	17	12	29	7.5	12.5	9.0	35	7	42	15.4	7.3	13.0
1901-1905 a.....	2	1	3	.9	1.0	1.0	27	7	34	12.4	7.5	10.9	27	4	31	12.4	4.3	9.9
1906.....	1	2	3	.4	2.1	.9	28	13	41	12.1	13.7	12.6	24	2	26	10.4	2.1	8.0
1907.....							26	9	35	11.1	9.4	10.6	48	2	50	20.6	2.1	15.2
1908.....	1		1	.4		.3	41	9	50	16.9	9.2	14.7	25	4	29	10.3	4.1	8.5

Year.	10 Diarrhea and enteritis (under 2 years).						11 Diarrhea and enteritis (2 years and over).						12 Diarrhea and enteritis (all).					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....													215	239	454	110.5	267.7	160.0
1901.....	128	216	344	61.6	235.3	114.8	58	24	82	27.9	26.1	27.4	186	240	426	89.5	261.4	142.2
1902.....	119	210	329	66.0	226.3	107.7	68	25	93	32.0	26.9	30.5	187	235	422	88.0	253.2	138.2
1903.....	114	168	282	52.4	179.3	90.6	58	36	94	26.7	38.4	30.2	172	204	376	79.0	217.7	120.8
1904.....	143	180	323	64.2	190.3	101.8	47	19	66	21.1	20.1	20.8	190	199	389	85.3	210.4	122.6
1905.....	126	211	337	55.4	220.6	104.3	51	25	76	22.5	26.1	23.5	177	236	413	77.9	246.7	127.8
1901-1905 a.....	126	197	323	57.9	210.2	103.8	56	26	82	25.7	27.7	26.3	182	223	405	83.6	237.9	130.1
1906.....	146	172	318	63.1	181.0	97.4	48	29	77	20.7	30.5	23.6	194	201	395	83.8	211.5	121.0
1907.....	127	198	325	54.4	205.8	98.6	59	20	79	25.3	20.7	23.7	186	218	404	79.7	226.6	122.7
1908.....	158	175	333	65.3	179.6	98.2	44	21	65	18.2	21.6	19.1	202	196	398	83.5	201.2	117.3

Year.	13 Diphtheria and croup.						14 Diseases of the heart.						15 Dropsy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....	93	52	145	47.8	58.2	51.1	250	189	439	128.5	211.7	154.7	1	3	4	0.5	3.4	1.5
1901.....	73	26	99	35.1	28.3	33.0	254	209	463	122.2	227.7	154.5	.....	2	2	.....	2.2	.7
1902.....	35	15	50	16.5	16.2	16.4	229	216	445	107.7	232.7	145.7	.....	6	2	8	2.8	2.2
1903.....	19	3	22	8.7	3.2	7.1	297	216	513	136.5	230.5	164.8	.....	5	1	6	2.3	1.1
1904.....	27	25	52	12.1	26.4	16.4	332	230	562	149.1	243.2	177.2	.....	1	1	.....	1.1	.3
1905.....	31	15	46	13.6	15.7	14.2	271	210	481	119.2	219.4	148.9	.....	1	5	6	.4	5.2
1901-1905 a.....	37	17	54	17.0	18.1	17.3	277	216	493	127.3	230.5	158.4	.....	2	2	4	.9	1.1
1906.....	28	9	37	12.1	9.5	11.2	310	254	564	133.9	267.3	172.9	.....	.....	.....	.....	.....	.....
1907.....	23	7	30	9.9	7.3	9.1	343	252	595	146.9	262.0	180.6	.....	2	2	.....	2.1	.6
1908.....	15	7	22	6.2	7.1	6.5	321	207	528	132.7	212.4	155.6	.....	3	3	.....	3.1	.9

a Annual average for 5-year period.

TABLE 16.—Showing the number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.

Year.	16 Dysentery.						17 Epilepsy.						18 Gastritis.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....	18	13	31	9.3	14.6	10.9	16	10	26	8.2	11.2	9.2	24	10	34	12.3	11.2	12.0
1901.....	11	13	24	5.3	14.2	8.0	8	8	16	3.9	8.7	5.3	35	27	62	16.8	29.4	20.7
1902.....	16	15	31	7.5	16.2	10.2	19	10	29	8.9	10.8	9.5	38	22	60	17.9	23.7	19.6
1903.....	13	8	21	6.0	8.5	6.7	14	9	23	6.4	9.6	7.4	48	21	69	22.1	22.4	22.2
1904.....	18	9	27	8.1	9.5	8.5	14	11	25	6.3	11.6	7.9	57	26	83	25.6	27.5	26.2
1905.....	9	6	15	4.0	6.3	4.6	15	10	25	6.6	10.5	7.7	44	24	68	19.3	25.1	21.0
1901-1905 a..	13	10	23	6.0	10.7	7.4	14	10	24	6.4	10.7	7.7	44	24	68	20.2	25.6	21.8
1906.....	8	16	24	3.5	16.8	7.4	14	10	24	6.1	10.5	7.4	48	27	75	20.7	28.4	23.0
1907.....	9	14	23	3.9	14.6	7.0	10	9	19	4.3	9.3	5.8	44	33	77	18.8	34.3	23.4
1908.....	9	5	14	3.7	5.1	4.1	17	11	28	7.0	11.3	8.3	33	33	66	13.6	33.8	19.4

Year.	19 Grippe.						20 Hernia.						21 Insanity.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....	32	4	36	16.5	4.5	12.7	4	4	8	2.0	4.5	2.8	43	12	55	22.1	13.4	19.4
1901.....	62	8	70	29.8	8.7	23.4	8	4	12	3.9	4.4	4.0	26	6	32	12.5	6.5	10.6
1902.....	35	24	59	16.5	25.9	19.3	8	7	15	3.8	7.5	4.9	34	10	44	16.0	10.8	14.4
1903.....	49	55	104	22.5	58.7	33.4	5	6	11	2.3	6.4	3.5	18	9	27	8.3	9.6	8.7
1904.....	58	52	110	26.1	55.0	34.7	5	4	9	2.2	4.2	2.8	27	11	38	12.1	11.6	12.0
1905.....	53	52	105	23.3	54.3	32.5	6	4	10	2.6	4.2	3.1	28	7	35	12.3	7.3	10.8
1901-1905 a..	51	38	89	23.4	40.5	28.6	6	5	11	2.8	5.3	3.5	27	8	35	12.4	8.5	11.2
1906.....	14	27	41	6.1	28.4	12.6	9	5	14	3.9	5.3	4.3	31	9	40	13.4	9.4	12.2
1907.....	86	56	142	36.8	58.2	43.1	8	5	13	3.4	5.2	4.0	37	13	50	15.9	13.5	15.1
1908.....	91	72	163	37.6	73.9	48.0	8	4	12	3.3	4.1	3.5	22	7	29	9.2	7.2	8.6

Year.	22 Malarial fevers.						23 Malignant growths.						24 Measles.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 a.....	30	16	46	15.4	17.9	16.2	120	54	174	61.7	60.5	61.3	16	15	31	8.2	16.8	10.9
1901.....	20	19	39	9.6	20.7	13.0	144	51	195	69.3	55.5	65.1	11	2	13	5.3	2.2	4.3
1902.....	18	12	30	8.5	12.9	9.8	172	45	217	80.9	48.5	71.1	2	7	9	.9	7.5	3.0
1903.....	14	8	22	6.4	8.5	7.1	162	59	220	74.4	61.9	70.7	31	13	44	14.2	13.9	14.1
1904.....	5	9	14	2.2	9.5	4.4	173	55	228	77.7	58.1	71.9	2	2	4	.9	2.1	1.3
1905.....	4	6	10	1.8	6.3	3.1	179	52	231	75.5	51.1	68.2	2	5	7	.9	5.2	2.2
1901-1905 a..	12	11	23	5.5	11.7	7.4	166	52	218	76.3	55.5	70.0	10	5	15	4.6	5.3	4.8
1906.....	7	12	19	3.0	12.6	8.9	188	65	253	81.2	68.4	77.5	17	12	29	7.3	12.6	8.9
1907.....	4	5	9	1.7	5.2	2.7	219	61	280	93.9	63.4	84.0	3	3	6	1.3	3.1	1.8
1908.....	4	5	9	1.7	5.1	2.7	206	69	275	85.0	70.8	81.2	2	....	2	.8	....	.6

a Annual average for 5-year period.

TABLE 16.—Showing the number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.

Year.	25 Meningitis.						26 Mumps.						27 Paralysis, paraplegia, hemiplegia.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 <i>a</i>	67	31	98	34.4	34.7	34.5	.....	.....	.....	.....	.....	.....	31	17	48	15.9	19.0	17.9
1901.....	65	18	83	31.3	19.6	27.7	.....	.....	.....	.....	.....	.....	36	20	56	17.3	21.8	18.7
1902.....	50	23	73	23.5	24.8	23.9	.....	.....	.....	.....	.....	.....	30	26	56	9.4	28.0	18.3
1903.....	35	23	58	16.1	24.5	18.6	.....	.....	.....	.....	.....	.....	24	19	43	11.0	20.3	13.8
1904.....	42	27	69	18.9	28.5	21.8	.....	.....	.....	.....	.....	.....	37	25	62	16.6	26.4	19.5
1905.....	45	24	69	19.7	25.1	21.3	.....	.....	.....	.....	.....	.....	29	25	54	12.7	26.1	16.7
1901-1905 <i>a</i> ..	47	23	70	21.6	24.5	22.5	.....	.....	.....	.....	.....	.....	31	23	54	14.2	24.5	17.3
1906.....	58	30	88	25.1	31.6	27.0	.....	.....	.....	.....	.....	.....	31	15	46	13.4	15.8	14.1
1907.....	62	37	99	26.5	38.4	30.3	.....	.....	.....	.....	.....	.....	24	19	43	10.3	19.8	13.0
1908.....	33	19	52	13.7	19.5	15.3	.....	.....	.....	.....	.....	.....	23	19	42	9.5	19.5	12.2

Year.	28 Pneumonia.						29 Pulmonary tuberculosis.						30 Rabies.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 <i>a</i>	222	252	474	114.1	282.2	167.0	373	441	814	191.8	494.0	286.8	1	1
1901.....	168	244	412	80.8	265.8	137.5	363	449	812	174.7	489.1	271.0	.....	.....	.....	.....	.....
1902.....	217	261	478	102.1	281.2	156.5	312	374	686	146.7	403.1	224.6	.....	1	.....	.....	.....
1903.....	248	311	559	114.0	332.0	179.6	355	421	776	163.1	449.3	249.2	.....	.....	.....	.....	.....
1904.....	237	319	556	106.5	337.2	175.2	366	466	832	164.4	492.6	262.3	.....	.....	.....	.....	.....
1905.....	226	304	530	99.4	317.6	164.1	353	473	826	155.2	494.3	255.6	.....	.....	.....	.....	.....
1901-1905 <i>a</i> ..	219	288	507	100.6	307.3	162.9	350	437	787	160.8	466.3	252.8	.....	.....	.....	.....	.....
1906.....	196	307	503	84.7	323.1	154.1	331	450	781	143.0	473.5	239.2	.....	.....	.....	.....	.....
1907.....	231	308	539	99.0	320.2	163.5	320	428	748	137.1	445.0	226.9	.....	.....	.....	.....	.....
1908.....	230	275	505	95.1	282.1	148.7	301	410	711	124.4	420.6	209.5	.....	.....	.....	.....	.....

Year.	31 Rheumatism.						32 Scarlet fever.						33 Smallpox.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 <i>a</i>	17	6	23	8.7	6.7	8.1	11	2	13	5.7	2.2	4.5	1	1	0.5	0.3
1901.....	38	10	48	18.3	10.9	16.0	11	.....	11	5.3	.....	3.7	.....	.....	.....	.....	.....
1902.....	22	18	40	10.3	19.4	13.1	4	2	6	1.9	2.2	2.0	1	.....	1	.5	.....
1903.....	20	9	29	9.2	9.6	9.3	2	.....	2	.9	.....	.6	1	1	2	.5	1.1
1904.....	22	7	29	9.9	7.4	9.1	10	1	11	4.5	1.1	3.5	.....	1	1	.0	1.1
1905.....	24	8	32	10.6	8.4	9.9	7	4	11	3.1	4.2	3.4	4	5	9	1.8	5.2	
1901-1905 <i>a</i> ..	25	10	35	11.5	10.6	11.2	7	1	8	3.2	1.0	2.6	1	2	3	.5	2.1	
1906.....	22	13	35	9.6	13.6	10.7	6	2	8	2.6	2.1	2.5	2	2	4	.9	2.1	
1907.....	18	8	26	7.7	8.3	8.0	2	.....	2	.9	.....	.6	.....	.....	.....	.....	.....
1908.....	19	11	30	7.9	11.3	8.8	8	1	9	3.3	1.0	2.6	.....	.....	.....	.....	.....

a Annual average for 5-year period.

TABLE 16.—*Showing the number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	34 Softening of the brain.						35 Steam railroad accidents.						36 Street railroad accidents.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	10	4	14	5.1	4.5	4.9	14	3	17	7.2	3.4	6.0	5	2	7	2.6	2.2	2.5
1901.....	21	4	25	10.1	4.4	8.3	9	5	14	4.3	5.4	4.7	4	2	6	1.9	2.2	2.0
1902.....	8	5	13	3.8	5.4	4.3	16	5	21	7.5	5.4	6.9	6	3	9	2.8	3.2	2.9
1903.....	13	5	18	6.0	5.3	5.8	15	3	18	6.9	3.2	5.8	4	1	5	1.8	1.1	1.6
1904.....	6	4	10	2.7	4.2	3.2	26	5	31	11.7	5.3	9.8	4	...	4	1.8	...	1.3
1905.....	12	10	22	5.3	10.5	6.8	26	9	35	11.4	9.4	10.8	11	3	14	4.8	3.1	4.3
1901-1905 ^a ..	12	6	18	5.5	6.4	5.7	18	6	24	8.3	6.4	7.7	6	2	8	2.8	2.1	2.6
1906.....	17	4	21	7.3	4.2	6.4	56	14	70	24.2	14.7	21.4	7	2	9	3.0	2.1	2.8
1907.....	14	4	18	6.0	4.2	5.5	10	9	19	4.3	9.4	5.8	11	5	16	4.7	5.2	4.9
1908.....	16	8	24	6.6	8.2	7.1	11	6	17	4.6	6.2	5.0	15	5	20	6.2	5.1	5.9

Year.	37 Suicides.						38 Typhoid fever.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	33	5	38	16.9	5.6	13.3	96	75	171	49.4	84.0	60.3
1901.....	26	5	31	12.5	5.4	10.3	89	80	169	42.8	87.1	56.4
1902.....	37	3	40	17.4	3.2	13.1	152	74	226	71.5	79.7	74.0
1903.....	51	8	59	23.4	8.5	19.0	83	57	140	38.1	60.8	45.0
1904.....	60	6	66	27.0	6.3	20.8	79	60	139	35.5	63.4	43.8
1905.....	56	4	60	24.6	4.2	18.6	91	51	142	40.0	53.3	43.9
1901-1905 ^a	46	5	51	21.1	5.3	16.4	99	64	163	45.5	68.2	52.4
1906.....	42	2	44	18.1	2.1	13.5	82	80	162	35.4	84.2	49.6
1907.....	59	13	72	25.2	13.5	22.0	77	37	114	33.0	38.5	34.6
1908.....	58	8	66	24.0	8.3	19.5	88	36	124	36.4	36.9	36.5

Year.	39 Typho-malarial fevers.						40 Whooping cough.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1896-1900 ^a	2	4	6	1.0	4.4	2.1	21	35	56	10.8	39.2	19.7
1901.....	30	35	65	14.4	38.1	21.7
1902.....	35	91	126	16.5	98.1	41.3
1903.....	25	50	75	11.5	53.4	24.1
1904.....	16	29	45	7.2	30.7	14.2
1905.....	27	46	73	11.9	48.1	22.6
1901-1905 ^a	27	50	77	12.4	53.3	24.7
1906.....	30	26	56	13.0	27.4	17.2
1907.....	15	18	33	6.4	18.7	10.1
1908.....	9	29	38	3.7	29.8	11.2

^a Annual average for 5-year period.

TABLE 17.—Showing deaths in the District of Columbia from bronchitis, by race and by months.

Calendar year.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 ^a	8	6	14	8	9	17	7	10	17	4	8	12	3	5	8	2	4	6
1901.....	8	10	18	10	9	19	5	6	11	4	13	17	3	5	8	1	2	3
1902.....	8	13	21	8	7	15	3	4	7	4	4	8	2	10	12	3	6	9
1903.....	6	17	23	5	9	14	9	9	18	2	0	2	6	6	12	0	6	6
1904.....	7	13	20	7	6	13	13	8	21	7	12	19	4	8	12	1	4	5
1905.....	9	11	20	6	11	17	1	10	11	4	12	16	7	10	17	2	7	9
1901-1905 ^a	8	13	21	7	9	16	6	8	14	4	8	12	4	8	12	1	5	6
1906.....	10	8	18	4	1	5	5	8	13	9	7	16	3	6	9	1	6	7
1907.....	6	11	17	10	15	25	10	13	23	9	7	16	1	12	13	8	3	11
1908.....	6	9	15	9	11	20	9	12	21	3	3	6	2	7	9	2	4	6

Calendar year.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 ^a	2	3	5	1	3	4	3	2	5	5	3	8	5	5	10	6	8	14
1901.....	1	1	2	2	5	7	2	2	4	4	3	7	8	6	14	5	6	11
1902.....	2	1	3	3	4	7	3	5	8	3	6	9	16	7	23	9	16	25
1903.....	5	6	11	1	2	3	1	3	4	5	3	8	1	4	5	7	13	20
1904.....	2	7	9	5	4	9	3	5	8	5	6	11	3	6	9	5	3	8
1905.....	0	3	3	2	2	4	0	2	2	3	6	9	5	8	13	10	13	23
1901-1905 ^a	2	4	6	3	3	6	2	3	5	4	5	9	7	6	13	7	10	17
1906.....	0	1	1	3	4	7	5	6	11	5	5	10	4	8	12	3	6	9
1907.....	2	4	6	0	2	2	1	5	6	3	4	7	3	5	8	6	7	13
1908.....	3	2	5	3	4	7	6	0	6	4	4	8	3	5	8	7	6	13

SUMMARY.

Calendar year.	W.	C.	T.
1896-1900 ^a	54	67	121
1901.....	52	60	112
1902.....	66	90	156
1903.....	49	80	129
1904.....	60	78	138
1905.....	49	91	140
1901-1905 ^a	55	80	135
1906.....	52	66	118
1907.....	59	88	147
1908.....	57	67	124

^a Annual average for 5-year period.

TABLE 18.—Showing deaths in the District of Columbia from cancers and other malignant tumors, by race and by sex, for the years mentioned below.

Calendar year.	White.		Colored.		Total.		
	Male.	Female.	Male.	Female.	Male.	Female.	All.
1896-1900 <i>a</i>	43	77	19	36	62	113	175
1901.....	50	94	16	35	66	129	195
1902.....	62	111	15	30	77	141	218
1903.....	62	100	8	50	70	150	220
1904.....	60	113	19	36	79	149	228
1905.....	72	107	10	42	82	149	231
1901-1905 <i>a</i>	61	105	14	39	75	144	219
1906.....	86	102	19	46	105	148	253
1907.....	79	140	15	46	94	186	280
1908.....	82	124	18	51	100	175	275

a Annual average for 5-year period.

TABLE 19.—Showing deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to race, sex, marital relation, age, and organ involved, during the calendar year 1908.

Location.	White.		Colored.		Marital relation.		Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years.	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.
	Male.	Female.	Male.	Female.	Single.	Married or widowed.											
<i>Head, face, neck, etc.</i>																	
Jaw.....	3	1	2		1	5						1	2	2	1		
Tongue.....	1				1						1						
Tonsil.....	1	1				2				1			1				
Esophagus.....	3					3							1	1		1	
Ear.....	1					1									1		
Face.....	4	2			1	5							3	1	2		
Neck.....	2	1	1			4						2	2				
Orbit.....	1				1										1		
Thyroid.....		1				1								1			
Larynx.....	3					3								3			
<i>Digestive system.</i>																	
Liver.....	12	14	2	4	4	28					4	4	9	9	5	1	
Stomach.....	26	17	8	8	7	52					1	5	18	17	16	2	
Pancreas.....	1	1	1	1		4						1		1	2		
<i>Intestines, etc.</i>																	
Intestines.....	6	12	1	2	4	17					1	4	3	7	4	2	
Mesentery.....	1	1				2						1	1				
Omentum.....		1				1							1				
<i>Female genital organs.</i>																	
Breast.....			35		9	34					3	14	2	14	9	2	
Ovary.....			1		1							1					
Uterus.....		19		22	3	38				3	3	17	7	4	7		
Vagina.....			4			4						1	1		1	1	
<i>Unclassified.</i>																	
Abdomen.....	2	4		1	3	4					1	1	2	1	1	1	
Axilla.....			1			1						1					
Bladder.....	1			1		2									1		
Bone.....	1					1					1						
Chest.....	1		1			2											
Diffuse sarcoma.....		1				1				1					1		
Kidney.....	1		1	1	1	2	1				1	1					
Leg and foot.....		2		1	1	2			1								
Lung.....		2				2								1			
Lympho-sarcoma.....	2				1	1						1	1				
Mediastinum.....	1					1						1	1				
Melanotic sarcoma.....		1			1								1				
Meninges.....		1			1					1							
Pelvis.....	3	2		1	2	4								1	1	1	
Prostate.....	5					5				1		2	2		3	1	
Total.....	82	124	18	51	43	232	1		1	7	17	59	59	64	56	11	

TABLE 20.—*Showing deaths in the District of Columbia, from congestion of the lungs, by race and by months.*

Calendar year.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 ^a	6	6	12	3	4	7	4	4	8	4	2	6	3	3	6	2	1	3
1901.....	2	2	4	4	2	6	7	3	10	2	1	3	5	1	6	2	2	4
1902.....	2	3	5	8	.....	8	7	3	10	2	4	6	5	2	7	2	1	3
1903.....	5	5	10	6	5	11	4	5	9	5	2	7	3	2	5	1	2	3
1904.....	4	3	7	5	1	6	4	1	5	1	1	2	3	3	6	.....	.....	.....
1905.....	5	3	8	1	3	4	1	4	5	1	2	3	.....	3	3	2	1	3
1901-1905 ^a	4	3	7	5	2	7	5	3	8	2	2	4	3	2	5	2	1	3
1906.....	1	2	3	.....	.....	.....	1	3	4	1	1	2	3	2	5	2	1	3
1907.....	2	3	5	5	.....	5	1	4	5	4	1	5	1	2	3	1	1	2
1908.....	2	1	3	3	4	7	4	3	7	1	4	5	1	.....	1	2	.....	2

Calendar year.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 ^a	1	.....	1	2	1	3	2	1	3	2	1	3	2	2	4	3	1	4
1901.....	2	2	4	2	.....	2	1	5	6	7	3	10	6	6	12	6	4	10
1902.....	1	1	2	4	2	6	2	1	3	6	3	9	3	2	5	.....	4	4
1903.....	.....	2	2	.....	.....	.....	1	.....	1	3	1	4	4	2	6	4	3	7
1904.....	.....	1	1	1	.....	1	1	1	2	1	1	2	1	.....	1	2	4	6
1905.....	1	.....	1	1	3	4	.....	.....	.....	1	1	2	3	3	6	1	.....	1
1901-1905 ^a	1	1	2	2	1	3	1	1	2	4	2	6	3	3	6	3	3	6
1906.....	1	3	4	.....	.....	.....	2	.....	2	1	1	2	3	2	5	1	2	3
1907.....	1	.....	1	3	.....	3	2	1	3	8	2	10	1	1	2	8	1	9
1908.....	.....	3	3	.....	.....	.....	3	.....	3	2	1	3	3	1	4	5	.....	5

SUMMARY.

Calendar year.	White.	Colored.	Total.
1896-1900 ^a	33	26	59
1901.....	46	31	77
1902.....	42	26	68
1903.....	36	29	65
1904.....	23	16	39
1905.....	17	23	40
1901-1905 ^a	33	25	58
1906.....	16	17	33
1907.....	37	16	53
1908.....	26	17	43

^a Annual average for 5-year period.

TABLE 21.—Showing deaths in the District of Columbia from pulmonary tuberculosis, by race and sex, and by months and years.

Calendar year.	January.				February.				March.				April.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1896-1900 ^a	18	16	16	17	18	11	19	19	21	11	17	21	20	16	19	21
1901.....	20	20	17	20	20	12	19	27	19	14	28	17	22	15	14	21
1902.....	10	15	23	20	12	12	11	18	13	9	15	20	12	21	22	22
1903.....	12	17	18	25	19	11	17	20	27	12	16	24	14	14	32	12
1904.....	16	17	21	28	12	22	22	22	18	19	23	24	22	20	34	12
1905.....	25	16	15	27	22	12	26	22	27	15	18	16	20	19	28	12
1901-1905 ^a	16	17	19	24	17	14	19	22	21	14	19	19	20	16	26	16
1906.....	18	17	26	14	18	8	28	18	20	14	23	23	15	16	22	17
1907.....	15	13	26	14	26	15	14	26	28	15	18	20	11	9	35	18
1908.....	10	20	16	22	19	7	10	14	19	12	19	24	12	11	23	20

Calendar year.	May.				June.				July.				August.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1896-1900 ^a	16	15	18	18	14	13	16	17	18	15	19	18	14	14	20	17
1901.....	21	10	24	25	20	9	19	15	11	14	18	19	17	13	16	22
1902.....	22	18	10	21	29	11	11	13	10	10	20	13	10	16	17	14
1903.....	13	12	18	13	18	15	18	22	19	9	13	16	13	10	12	19
1904.....	17	12	21	23	18	11	23	19	14	6	18	17	15	12	23	18
1905.....	12	6	16	15	15	11	23	15	11	12	19	19	23	6	19	22
1901-1905 ^a	17	12	18	19	20	11	19	17	13	10	18	17	16	11	18	19
1906.....	13	11	14	21	17	6	19	15	16	15	21	15	16	12	11	15
1907.....	14	12	20	17	17	12	9	7	7	8	17	16	9	7	17	10
1908.....	11	6	22	22	15	9	19	10	12	14	23	15	17	10	13	14

Calendar year.	September.				October.				November.				December.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1896-1900 ^a	13	13	17	19	20	13	16	21	17	14	17	18	18	16	23	18
1901.....	10	9	18	16	14	19	19	13	17	15	13	17	11	11	20	12
1902.....	14	11	11	12	13	11	17	20	20	8	12	10	15	11	14	20
1903.....	18	14	9	16	19	10	12	14	19	13	14	23	20	7	15	23
1904.....	15	15	15	11	13	9	18	17	16	14	16	12	16	17	15	14
1905.....	11	7	22	18	15	9	15	17	14	15	21	22	15	15	26	20
1901-1905 ^a	14	11	15	14	15	12	16	16	17	13	15	17	15	12	18	18
1906.....	14	11	20	14	13	20	18	18	6	6	24	15	17	12	23	16
1907.....	13	8	16	21	11	12	18	14	11	15	27	17	22	10	18	13
1908.....	9	12	11	9	17	6	21	17	14	7	15	17	20	12	14	20

^a Annual average for 5-year period.

TABLE 21.—*Showing deaths in the District of Columbia from pulmonary tuberculosis, by race and sex, and by months and years—Continued.*

SUMMARY.

Calendar year.	White.		Colored.		All.		
	M.	F.	M.	F.	White.	Colored.	Total.
1896-1900 <i>a</i>	207	167	217	224	374	441	815
1901.....	202	161	225	224	363	449	812
1902.....	188	144	176	198	332	374	706
1903.....	211	144	194	227	355	421	776
1904.....	192	174	249	217	366	466	832
1905.....	210	143	248	225	353	473	826
1901-1905 <i>a</i>	201	153	219	218	354	437	791
1906.....	183	148	249	201	331	450	781
1907.....	184	136	235	193	320	428	748
1908.....	175	126	206	204	301	410	711

a Annual average for 5-year period.TABLE 22.—*Showing deaths in the District of Columbia from pneumonia, by race and by months.*

Calendar year.	January.			February.			March.			April.			May.			June.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 <i>a</i>	39	38	77	36	41	77	35	34	69	26	29	55	12	17	29	7	12	19
1901.....	32	52	84	29	35	55	29	49	78	20	24	44	8	13	21	6	12	18
1902.....	36	49	85	36	29	65	28	31	59	25	44	69	15	19	34	9	10	19
1903.....	32	45	77	55	55	110	43	29	72	18	24	42	13	25	38	9	18	27
1904.....	42	59	101	37	46	83	42	45	87	23	29	52	17	23	40	4	17	21
1905.....	53	38	91	32	50	82	28	56	84	27	26	53	17	18	35	4	5	9
1901-1905 <i>a</i>	39	49	88	36	43	79	34	42	76	23	29	52	14	20	34	6	12	18
1906.....	38	44	82	24	43	67	23	46	69	28	45	73	20	15	35	2	14	16
1907.....	29	41	70	37	46	83	29	49	78	23	38	61	13	27	40	8	19	27
1908.....	39	41	80	30	40	70	30	53	83	25	20	45	26	20	46	7	11	18

Calendar year.	July.			August.			September.			October.			November.			December.		
	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.	W.	C.	T.
1896-1900 <i>a</i>	4	6	10	4	6	10	7	8	15	10	15	25	16	16	32	25	30	55
1901.....	2	6	8	5	3	8	5	5	10	10	10	20	12	16	28	19	19	38
1902.....	3	11	14	8	9	17	5	10	15	18	7	25	11	14	25	23	28	51
1903.....	5	7	12	5	9	14	7	16	23	9	15	24	17	27	44	35	41	76
1904.....	4	11	15	1	14	15	5	10	15	7	14	21	22	22	44	33	29	62
1905.....	4	6	10	4	9	13	5	11	16	7	19	26	20	30	50	25	36	61
1901-1905 <i>a</i>	4	8	12	4	9	13	6	10	16	10	13	23	16	22	38	27	31	58
1906.....	7	8	15	4	8	12	10	12	22	8	20	28	11	24	35	21	28	49
1907.....	8	8	16	5	6	11	5	7	12	18	8	26	15	22	37	41	37	78
1908.....	3	6	9	3	9	12	8	12	20	14	17	31	24	19	43	21	27	48

a Annual average for 5-year period.

TABLE 22.—Showing deaths in the District of Columbia from pneumonia, by race and by months—Continued.

SUMMARY.

Calendar year.	White.	Colored.	Total.
1896-1900 ^a	221	252	473
1901.....	168	244	412
1902.....	217	261	478
1903.....	248	311	559
1904.....	237	319	556
1905.....	226	304	530
1901-1905 ^a	219	288	507
1906.....	196	307	503
1907.....	231	308	539
1908.....	230	275	505

^a Annual average for 5-year period.

TABLE 23.—Showing total deaths in the District of Columbia from pneumonia, bronchitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths to total population.

Calendar year.	Esti- mated popula- tion.	Pneumonia.		Bronchitis.		Congestion of lungs.		Pneumonia, bronchitis, and congestion of lungs.	
		Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1896-1900 ^a	283,789	474	167.0	121	42.6	59	20.8	654	230.5
1901.....	299,600	412	137.5	112	37.4	77	25.7	601	200.6
1902.....	305,400	478	156.5	156	51.1	68	22.3	702	229.9
1903.....	311,300	559	179.6	129	41.4	65	20.8	753	241.9
1904.....	317,200	556	175.2	138	43.5	39	12.3	733	231.1
1905.....	323,123	530	164.1	140	43.3	40	12.4	710	219.7
1901-1905 ^a	311,325	507	162.9	135	43.4	58	18.6	700	224.8
1906.....	326,435	503	154.1	118	36.1	33	10.1	654	200.3
1907.....	329,591	539	163.5	147	44.6	53	16.1	739	224.1
1908.....	339,403	505	148.7	124	36.5	43	12.6	672	197.9

^a Annual average for 5-year period.

TABLE 24.—*Showing the mean dew-point and relative humidity, and the number of deaths from pneumonia, bronchitis, and congestion of the lungs in the District of Columbia in each month during the periods mentioned.*

Calendar year.	January.			February.			March.			April.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 a.....	23.9	71.3	102	22.3	72.7	102	33.0	70.1	93	39.1	61.2	74
1901.....	24.5	69.2	106	14.4	54.6	80	32.2	65.7	99	37.9	66.5	55
1902.....	20.0	66.0	111	18.7	66.0	88	36.2	73.0	76	39.0	61.6	92
1903.....	24.9	74.5	110	27.0	71.0	135	43.0	83.0	99	44.0	74.0	54
1904.....	19.0	72.6	128	16.0	63.0	102	34.2	74.8	113	37.0	64.0	67
1905.....	20.0	69.0	119	15.3	65.0	103	33.0	68.0	100	41.0	66.8	68
1901-1905 a.....	21.7	70.3	115	18.3	63.9	102	35.7	72.9	97	39.8	66.6	67
1906.....	29.0	70.0	103	23.0	69.0	72	27.0	68.0	86	38.0	57.0	91
1907.....	.....	.....	92	.....	.....	113	.....	.....	106	.....	.....	82
1908.....	.....	.....	98	.....	.....	97	.....	.....	111	.....	.....	56

Calendar year.	May.			June.			July.			August.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 a.....	53.3	70.1	44	61.8	72.5	28	67.0	74.2	16	66.5	76.8	17
1901.....	52.9	75.4	35	63.3	75.2	25	70.6	78.5	14	69.0	82.6	17
1902.....	54.1	72.6	53	58.3	64.7	31	65.4	70.5	19	62.0	73.0	30
1903.....	54.0	73.0	55	60.0	81.0	36	66.0	74.0	25	65.0	83.0	17
1904.....	52.4	65.6	58	63.0	78.0	26	65.3	76.7	25	63.7	77.7	25
1905.....	54.5	70.6	55	61.8	73.6	21	68.7	82.2	14	66.0	82.0	21
1901-1905 a.....	53.6	71.4	51	61.3	74.5	28	67.2	76.4	19	65.1	79.7	22
1906.....	50.0	50.0	49	64.0	79.0	26	67.0	79.0	20	70.0	88.0	19
1907.....	.....	.....	56	.....	.....	40	.....	.....	23	.....	.....	16
1908.....	.....	.....	56	.....	.....	26	66.0	73.0	17	65.0	79.0	19

Calendar year.	September.			October.			November.			December.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 a.....	59.3	76.9	23	49.5	80.2	35	37.2	74.8	46	26.1	70.8	73
1901.....	60.0	82.0	20	44.4	74.8	37	27.9	63.4	54	25.6	74.9	59
1902.....	58.8	80.0	26	49.3	80.1	43	42.5	78.3	53	27.0	75.7	80
1903.....	58.0	79.0	28	48.0	79.0	36	32.0	74.0	55	22.0	68.0	103
1904.....	59.6	81.6	25	43.7	76.2	34	32.6	71.5	54	22.0	74.0	76
1905.....	60.0	82.0	18	48.0	78.0	37	31.0	67.0	69	26.0	70.0	85
1901-1905 a.....	59.3	81.1	23	46.7	77.6	37	33.2	70.8	57	24.5	72.5	81
1906.....	65.0	84.0	35	48.0	80.0	40	36.0	73.0	52	28.0	74.0	61
1907.....	.....	.....	21	.....	.....	43	.....	.....	47	.....	.....	100
1908.....	58.0	83.1	29	.....	.....	42	33.9	69.2	55	32.7	68.4	66

a Annual average for 5-year period.

TABLE 22.—*Showing deaths in the District of Columbia from pneumonia, by race and by months—Continued.*

SUMMARY.

Calendar year.	White.	Colored.	Total.
1896-1900 ^a	221	252	473
1901.....	168	244	412
1902.....	217	261	478
1903.....	248	311	559
1904.....	237	319	556
1905.....	226	304	530
1901-1905 ^a	219	288	507
1906.....	196	307	503
1907.....	231	308	539
1908.....	230	275	505

^a Annual average for 5-year period.TABLE 23.—*Showing total deaths in the District of Columbia from pneumonia, bronchitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths to total population.*

Calendar year.	Estimated population.	Pneumonia.		Bronchitis.		Congestion of lungs.		Pneumonia, bronchitis, and congestion of lungs.	
		Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1896-1900 ^a	283,789	474	167.0	121	42.6	59	20.8	654	230.5
1901.....	299,600	412	137.5	112	37.4	77	25.7	601	200.6
1902.....	305,400	478	156.5	156	51.1	68	22.3	702	229.9
1903.....	311,300	559	179.6	129	41.4	65	20.8	753	241.9
1904.....	317,200	556	175.2	138	43.5	39	12.3	733	231.1
1905.....	323,123	530	164.1	140	43.3	40	12.4	710	219.7
1901-1905 ^a	311,325	507	162.9	135	43.4	58	18.6	700	224.8
1906.....	326,435	503	154.1	118	36.1	33	10.1	654	200.3
1907.....	329,591	539	163.5	147	44.6	53	16.1	739	224.1
1908.....	339,403	505	148.7	124	36.5	43	12.6	672	197.9

^a Annual average for 5-year period.

TABLE 24.—*Showing the mean dew-point and relative humidity, and the number of deaths from pneumonia, bronchitis, and congestion of the lungs in the District of Columbia in each month during the periods mentioned.*

Calendar year.	January.			February.			March.			April.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 ^a	23.9	71.3	102	22.3	72.7	102	33.0	70.1	93	39.1	61.2	74
1901.....	24.5	69.2	106	14.4	54.6	80	32.2	65.7	99	37.9	66.5	55
1902.....	20.0	66.0	111	18.7	66.0	88	36.2	73.0	76	39.0	61.6	92
1903.....	24.9	74.5	110	27.0	71.0	135	43.0	83.0	99	44.0	74.0	54
1904.....	19.0	72.6	128	16.0	63.0	102	34.2	74.8	113	37.0	64.0	67
1905.....	20.0	69.0	119	15.3	65.0	103	33.0	68.0	100	41.0	66.8	68
1901-1905 ^a	21.7	70.3	115	18.3	63.9	102	35.7	72.9	97	39.8	66.6	67
1906.....	29.0	70.0	103	23.0	69.0	72	27.0	68.0	86	38.0	57.0	91
1907.....	.....	.....	92	.....	.....	113	.....	.....	106	.....	.....	82
1908.....	.....	.....	98	.....	.....	97	.....	.....	111	.....	.....	56

Calendar year.	May.			June.			July.			August.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 ^a	53.3	70.1	44	61.8	72.5	28	67.0	74.2	16	66.5	76.8	17
1901.....	52.9	75.4	35	63.3	75.2	25	70.6	78.5	14	69.0	82.6	17
1902.....	54.1	72.6	53	58.3	64.7	31	65.4	70.5	19	62.0	73.0	30
1903.....	54.0	73.0	55	60.0	81.0	36	66.0	74.0	25	65.0	83.0	17
1904.....	52.4	65.6	58	63.0	78.0	26	65.3	76.7	25	63.7	77.7	25
1905.....	54.5	70.6	55	61.8	73.6	21	68.7	82.2	14	66.0	82.0	21
1901-1905 ^a	53.6	71.4	51	61.3	74.5	28	67.2	76.4	19	65.1	79.7	22
1906.....	50.0	50.0	49	64.0	79.0	26	67.0	79.0	20	70.0	88.0	19
1907.....	.....	.....	56	.....	.....	40	.....	.....	23	.....	.....	16
1908.....	.....	.....	56	.....	.....	26	66.0	73.0	17	65.0	79.0	19

Calendar year.	September.			October.			November.			December.		
	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.	Dew-point.	Relative humidity.	Deaths.
1896-1900 ^a	59.3	76.9	23	49.5	80.2	35	37.2	74.8	46	26.1	70.8	73
1901.....	60.0	82.0	20	44.4	74.8	37	27.9	63.4	54	25.6	74.9	59
1902.....	58.8	80.0	26	49.3	80.1	43	42.5	78.3	53	27.0	75.7	80
1903.....	58.0	79.0	28	48.0	79.0	36	32.0	74.0	55	22.0	68.0	103
1904.....	59.6	81.6	25	43.7	76.2	34	32.6	71.5	54	22.0	74.0	76
1905.....	60.0	82.0	18	48.0	78.0	37	31.0	67.0	69	26.0	70.0	85
1901-1905 ^a	59.3	81.1	23	46.7	77.6	37	33.2	70.8	57	24.5	72.5	81
1906.....	65.0	84.0	35	48.0	80.0	40	36.0	73.0	52	28.0	74.0	61
1907.....	.....	.....	21	.....	.....	43	.....	.....	47	.....	.....	100
1908.....	58.0	83.1	29	.....	.....	42	33.9	69.2	55	32.7	68.4	66

^a Annual average for 5-year period.

TABLE 25.—Showing deaths in the District of Columbia from typhoid fever, excluding so-called "typho-malarial fever," by months and years.

Calendar year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1896-1900 ^a	11	5	5	6	5	11	14	26	25	23	21	19
1901.....	7	2	8	2	4	10	16	33	28	21	22	16
1902.....	19	8	12	9	13	9	21	39	25	32	19	20
1903.....	9	5	9	6	6	3	17	26	18	19	8	14
1904.....	5	5	6	10	8	8	16	22	25	14	11	9
1905.....	11	1	5	7	1	3	15	30	23	26	14	6
1901-1905 ^a	10	4	8	7	6	7	17	30	24	22	15	13
1906.....	6	4	5	4	10	9	21	32	20	28	19	4
1907.....	7	6	4	6	7	2	10	18	17	19	11	7
1908.....	4	1	1	8	8	3	15	13	23	19	16	13

SUMMARY.

Calendar year.	Race and sex.				Total.	Death rate per 100,000 population.
	White.		Colored.			
	Male.	Female.	Male.	Female.		
1896-1900 <i>a</i>	61	35	37	38	171	60.3
1901	62	27	48	32	169	56.4
1902	101	51	35	39	226	74.0
1903	56	27	31	26	140	45.0
1904	59	20	33	27	139	43.8
1905	61	30	28	23	142	43.9
1901-1905 <i>a</i>	68	31	35	29	163	52.3
1906	54	28	40	40	162	49.6
1907	57	20	21	16	114	34.6
1908	51	37	22	14	124	36.5

^a Annual average for 5-year period.

TABLE 26.—Showing births reported in the District of Columbia, by race and sex, and by months, during the calendar year 1908.

Month.	Total.	White.		Colored.		Twins.		Illegitimate.		Attended by physicians.		Attended by midwives.	
		Male.	Female.	Male.	Female.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
January.....	631	223	204	109	95	10	....	11	47	383	130	44	74
February.....	648	233	198	102	115	10	6	17	41	380	146	51	71
March.....	718	244	255	116	103	8	4	15	56	444	148	55	71
April.....	465	186	144	64	71	8	4	6	23	300	95	30	40
May.....	523	202	179	74	68	6	....	8	39	337	101	44	41
June.....	601	218	190	92	101	10	10	5	37	360	113	48	80
July.....	589	192	207	95	95	8	2	8	31	356	120	43	70
August.....	586	219	193	102	72	6	12	9	33	365	110	47	64
September.....	555	169	188	105	93	10	8	12	49	311	119	46	79
October.....	580	213	187	91	89	10	2	8	36	359	124	41	56
November.....	548	194	186	94	74	12	4	3	35	331	112	49	56
December.....	596	230	181	94	91	4	2	10	35	366	115	45	70
Total sex and color..	7,040	2,523	2,312	1,138	1,067	102	54	112	462	4,292	1,433	543	772
Total by race.....	.....	4,835		2,205		156		574		5,725		1,315	
Total for year.....	.....	7,040				156		574		5,725		1,315	

TABLE 27.—Showing reported births in institutions in the District of Columbia, by race and sex, and by place of birth, during the calendar year 1908.

Month.	Race.	Sex.	Casualty Hospital.	Columbia Hospital.	Florence Crittenton Home.	Freedmen's Hospital.	Garfield Hospital.	Georgetown University Hospital.	George Washington University Hospital.	Homeopathic Hospital.	Providence Hospital.	St. Elizabeth Hospital.	Sibley Hospital.	Washington Asylum Hospital.	St. Ann's Asylum.
January	White	Male	6	3	4	2	1	4	5	3	3	1	1	1	1
		Female	3	4	7	5	1	4	2	3	4	1	1	1	1
	Colored	Male	4	8	6	6	1	3	14	2	5	2	1	1	1
		Female	2	12	6	3	4	4	5	3	2	4	1	1	1
February	White	Male	6	6	3	6	1	3	1	2	5	2	1	1	1
		Female	3	6	7	2	1	4	5	3	2	4	1	1	1
	Colored	Male	7	7	13	2	2	3	2	1	3	2	1	1	1
		Female	12	3	4	3	1	6	5	7	3	3	1	1	1
March	White	Male	5	4	3	3	2	6	2	2	9	3	1	1	1
		Female	13	11	16	3	1	3	4	1	2	4	1	1	1
	Colored	Male	7	7	10	2	1	2	2	2	4	1	1	1	1
		Female	1	7	2	6	2	1	2	6	1	1	1	1	1
April	White	Male	9	5	11	1	1	2	1	1	2	4	1	1	1
		Female	1	7	1	3	2	2	3	4	2	4	1	1	1
	Colored	Male	9	9	9	1	1	1	4	4	1	1	1	1	1
		Female	1	5	2	1	2	6	2	2	4	4	1	1	1
May	White	Male	7	14	1	5	3	2	1	1	1	1	1	1	1
		Female	1	7	3	1	1	4	4	2	6	2	1	1	1
	Colored	Male	9	9	8	2	2	3	2	6	9	3	2	2	2
		Female	6	4	7	1	2	3	4	1	4	3	1	1	1
June	White	Male	8	5	7	2	3	5	2	5	3	4	1	1	1
		Female	5	4	4	1	1	5	2	9	1	4	1	1	1
	Colored	Male	6	6	9	1	1	4	9	7	10	7	4	4	4
		Female	7	5	6	3	3	2	9	3	7	4	1	1	1
July	White	Male	11	10	12	1	1	5	2	3	10	1	1	1	1
		Female	9	4	13	1	1	1	1	3	5	10	1	1	1
	Colored	Male	8	8	1	1	1	1	1	5	1	1	1	1	1
		Female	10	1	1	1	1	1	1	1	1	1	1	1	1
August	White	Male	10	10	12	1	1	1	1	1	1	1	1	1	1
		Female	9	9	7	2	2	3	3	1	6	4	1	1	1
	Colored	Male	2	2	4	7	3	1	4	1	2	4	1	1	1
		Female	8	5	7	2	3	5	2	5	3	4	1	1	1
September	White	Male	5	8	5	2	3	5	2	5	3	4	1	1	1
		Female	6	4	4	1	1	5	2	9	1	4	1	1	1
	Colored	Male	5	6	9	1	1	4	9	7	10	7	4	4	4
		Female	7	5	6	3	3	2	9	3	7	4	1	1	1
October	White	Male	6	6	2	3	1	4	1	2	4	1	1	1	1
		Female	11	11	12	1	1	1	1	3	5	10	1	1	1
	Colored	Male	9	9	13	1	1	1	1	3	5	10	1	1	1
		Female	10	4	1	1	1	5	2	3	10	1	1	1	1
November	White	Male	8	8	1	1	1	1	1	5	1	1	1	1	1
		Female	10	10	12	1	1	1	1	3	1	6	4	1	1
	Colored	Male	9	9	7	2	2	4	3	1	4	1	1	1	1
		Female	1	2	3	4	1	3	3	2	6	4	1	1	1
December	White	Male	2	2	4	2	2	4	3	1	4	1	1	1	1
		Female	8	8	8	2	2	4	3	1	4	1	1	1	1
	Colored	Male	7	7	8	2	2	4	3	1	4	1	1	1	1
		Female	10	342	46	236	98	37	81	120	88	3	105	38	1

TABLE 28.—Showing the number of births reported in the District of Columbia, arranged by race, and by legitimacy and illegitimacy.

Calendar year.	Legitimate.			Illegitimate.			Total.			Twins.			Triplets.		
	White.	Colored.	All.	White.	Colored.	All.	White.	Colored.	All.	White.	Colored.	All.	White.	Colored.	All.
1896-1900 a..	2,712	1,380	4,092	86	491	577	2,798	1,871	4,669	71	42	113	1	...	1
1901.....	2,527	1,312	3,839	93	423	516	2,620	1,735	4,355	54	72	126	3	...	3
1902.....	2,984	1,390	4,374	102	456	558	3,086	1,846	4,932	56	48	104	...	9	9
1903.....	3,227	1,403	4,630	80	414	494	3,307	1,817	5,124	68	46	114	...	...	...
1904.....	3,890	1,676	5,566	104	548	652	3,994	2,224	6,218	102	38	140	...	...	...
1905.....	4,046	1,712	5,758	94	563	657	4,140	2,275	6,415	82	56	138	...	3	3
1901-1905 a..	3,335	1,499	4,834	95	481	576	3,430	1,979	5,409	72	52	124	1	2	3
1906.....	4,216	1,713	5,929	114	486	600	4,330	2,199	6,529	80	44	124	6	...	6
1907.....	4,457	1,825	6,282	94	497	591	4,551	2,322	6,873	74	38	112	...	...	...
1908.....	4,723	1,743	6,466	112	462	574	4,835	2,205	7,040	102	54	156	...	...	...

a Annual average for 5-year period.

TABLE 29.—Showing the number of stillbirths reported in the District of Columbia during the calendar year 1908, by sex and race, and certain data relative thereto.

	White.		Colored.		Unknown race.			Total.
	Male.	Female.	Male.	Female.	Male.	Female.	Sex unknown.	
Legitimacy:								
Legitimate.....	91	81	106	71	...	...	...	349
Illegitimate.....	3	5	51	46	...	...	...	105
Unknown.....	...	...	...	...	45	23	17	85
Total.....	94	86	157	117	45	23	17	539
Period of utero-gestation:								
Four months and under.	5	4	16	3	18	4	14	64
Five months.....	6	4	12	8	6	2	...	38
Six months.....	10	11	17	13	9	4	...	64
Seven months.....	18	11	18	20	4	4	...	75
Eight months.....	9	14	28	30	5	6	3	95
Nine months.....	21	19	45	31	3	3	...	122
Ten months.....	25	23	21	12	...	...	...	81
Total.....	94	86	157	117	45	23	17	539
By whom reported:								
Physicians.....	91	79	109	85	3	1	...	368
Coroner.....	3	7	48	32	42	22	17	171
Total.....	94	86	157	117	45	23	17	539
Causes:								
Congenital debility.....	4	1	...	...	...	...	...	5
Unknown.....	45	41	114	84	43	23	17	367
Dystocia.....	7	7	6	3	...	...	...	23
Malpresentation.....	5	3	2	2	...	...	...	12
Placental separation.....	1	3	...	...	...	...	...	4
Degeneration of fetus.....	1	1	...	...	...	...	...	2
Placenta previa.....	3	4	1	3	...	...	...	8
Overexertion of mother.....	2	...	3	...	...	...	...	8
Prolapsed cord.....	9	8	4	2	...	...	...	23
Nephritis.....	3	2	...	2	...	...	...	7
Pelvic deformity.....	4	1	2	...	...	...	...	7
Instrumental delivery.....	2	...	...	...	...	...	...	2
Prematurity.....	3	2	...	...	...	...	...	21
Eclampsia.....	2	...	8	8	...	...	...	3
Shock.....	1	2	...	1	...	...	...	5
Illness of mother.....	1	...	1	3	...	...	...	5
Accident to mother.....	...	3	...	...	...	...	...	5
Syphilis.....	1	1	10	3	...	...	...	14
Monstrosity.....	...	1	1	...	...	...	...	2
Hydrocephalus.....	...	2	...	...	...	...	...	2
Knot in cord.....	...	1	...	...	...	...	...	2
Apoplexy of cord.....	...	1	...	1	...	...	...	1
Excessive amniotic fluid.....	...	2	...	...	...	...	...	3
Lack of attention.....	...	...	1	...	...	...	...	1
Asphyxia.....	...	...	2	2	...	...	...	4
Ventral hernia.....	...	...	1	...	...	...	...	1
Cancer.....	...	...	...	...	2	...	...	2
Total.....	94	86	157	117	45	23	17	539

TABLE 30.—*Showing rainfall in the District of Columbia, by months and years.*

Calendar year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual.
1896-1900 <i>a</i>	2.77	4.97	3.67	1.95	3.56	3.94	3.91	4.16	3.63	2.33	2.59	1.80	39.28
1901.....	2.92	5.62	2.64	6.34	2.81	4.66	5.17	4.12	1.61	.97	2.33	7.56	46.75
1902.....	3.61	4.72	3.28	2.22	3.35	3.70	2.54	1.85	5.30	6.76	3.46	5.29	46.08
1903.....	4.26	5.32	5.73	4.29	2.75	3.60	5.17	4.52	.74	4.48	.80	1.89	43.55
1904.....	2.62	1.65	3.02	2.98	2.64	5.49	6.25	2.97	5.34	2.35	2.20	3.33	40.84
1905.....	3.59	2.55	3.31	2.69	3.22	4.52	9.95	9.75	2.34	2.30	1.04	5.39	50.65
1901-1905 <i>a</i>	3.40	3.97	3.60	3.70	2.95	4.39	5.82	4.64	3.07	3.37	1.97	4.69	45.57
1906.....	3.11	2.14	4.62	3.03	1.80	5.89	6.80	14.36	.60	5.71	1.63	3.28	52.97
1907.....	2.54	2.31	2.79	3.61	5.03	4.86	1.55	4.38	7.15	2.12	4.16	4.20	44.70

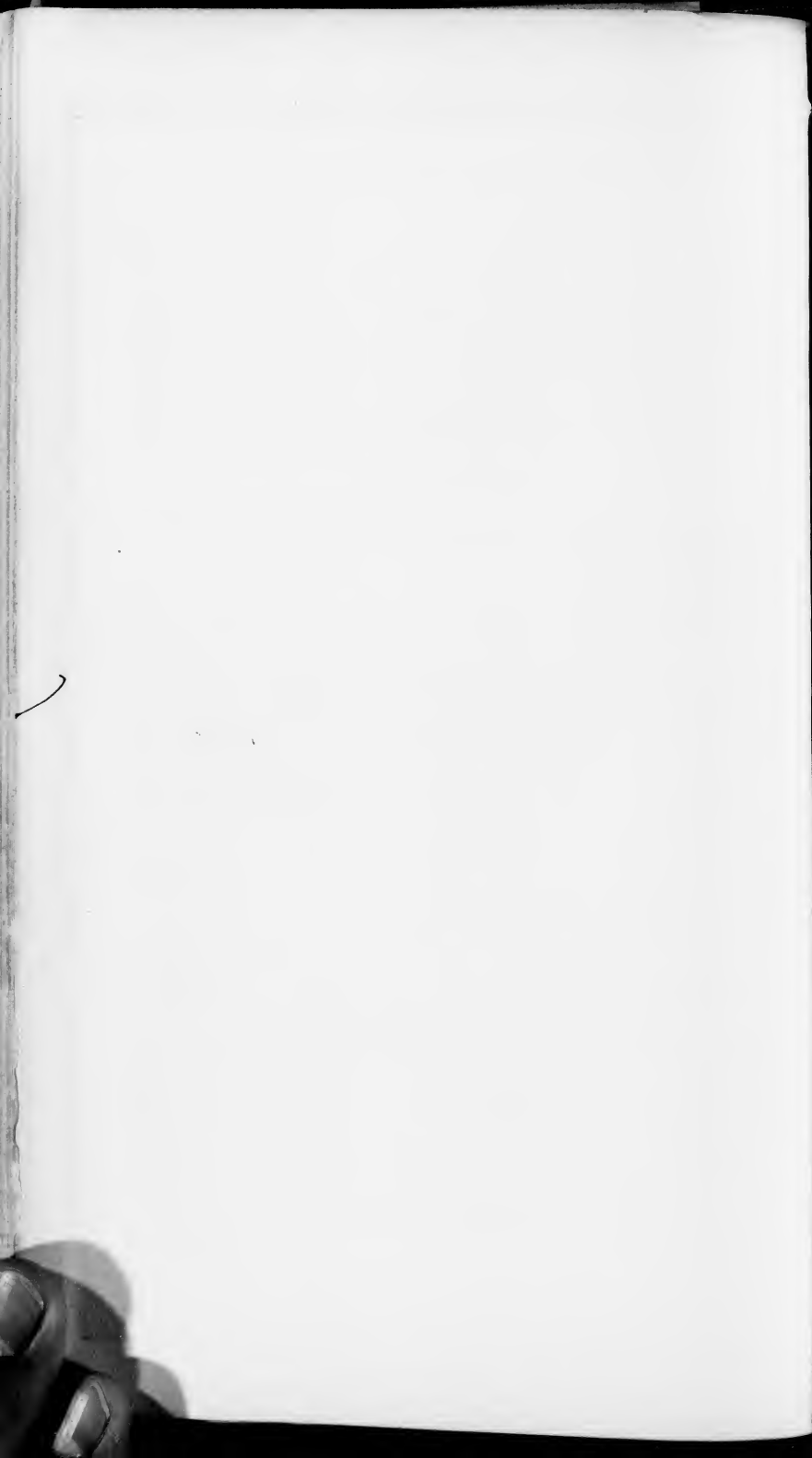
a Average annual for 5-year period.TABLE 31.—*Showing the mean temperature in the District of Columbia, by months and years.*

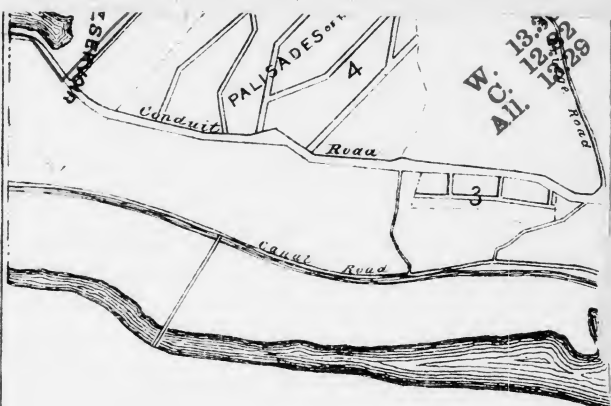
Calendar year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1896-1900 <i>a</i>	33.9	33.8	42.9	55.7	64.8	72.2	76.3	76.3	69.2	58.1	46.9	36.4
1901.....	34.4	29.9	45.1	50.6	62.5	72.3	79.8	76.1	67.0	55.7	40.6	34.7
1902.....	31.9	29.9	46.7	53.0	65.4	72.0	77.0	72.0	68.0	57.6	51.3	34.5
1903.....	33.5	37.0	50.0	54.0	64.0	67.0	76.0	72.0	67.0	57.0	42.0	32.0
1904.....	27.5	28.0	42.2	50.0	65.0	71.0	74.3	72.4	67.3	54.2	43.1	30.9
1905.....	29.8	26.4	45.0	54.0	65.1	71.8	76.2	73.7	68.0	57.0	44.0	37.0
1901-1905 <i>a</i>	31.4	30.2	45.8	52.3	64.4	70.8	76.7	73.2	67.5	56.3	44.2	33.8
1906.....	40.0	34.0	38.0	55.0	64.0	73.0	75.2	76.0	72.9	56.9	47.9	37.0
1907.....	37.1	30.1	48.8	48.4	59.2	65.9	75.8	72.4	69.4	52.0	44.5	38.1

a Average annual for 5-year period.TABLE 32.—*Showing the mean relative humidity in the District of Columbia, by months and years.*

Calendar year.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1896-1900 <i>a</i>	71.3	72.6	70.1	61.0	70.1	72.5	74.2	76.8	76.9	80.2	74.8	71.4
1901.....	69.2	54.6	65.7	66.5	75.4	75.2	78.5	82.6	82.0	74.8	63.4	74.9
1902.....	66.0	66.0	73.0	61.6	72.6	64.7	70.5	73.0	92.0	80.1	78.3	75.7
1903.....	74.5	71.0	83.0	74.0	73.0	81.0	74.0	83.0	79.0	79.0	74.0	68.0
1904.....	72.6	63.0	74.8	64.0	65.6	78.0	76.7	77.7	81.6	76.2	71.5	74.0
1905.....	69.0	65.0	68.0	66.8	70.6	73.6	82.2	82.0	82.0	78.0	54.0	70.0
1901-1905 <i>a</i>	70.3	63.9	72.9	66.6	71.4	74.5	76.4	79.7	83.3	77.6	68.2	72.5
1906.....	70.0	69.0	68.0	57.0	50.0	79.0	79.0	88.0	84.0	80.0	73.0	74.0

a Average annual for 5-year period.

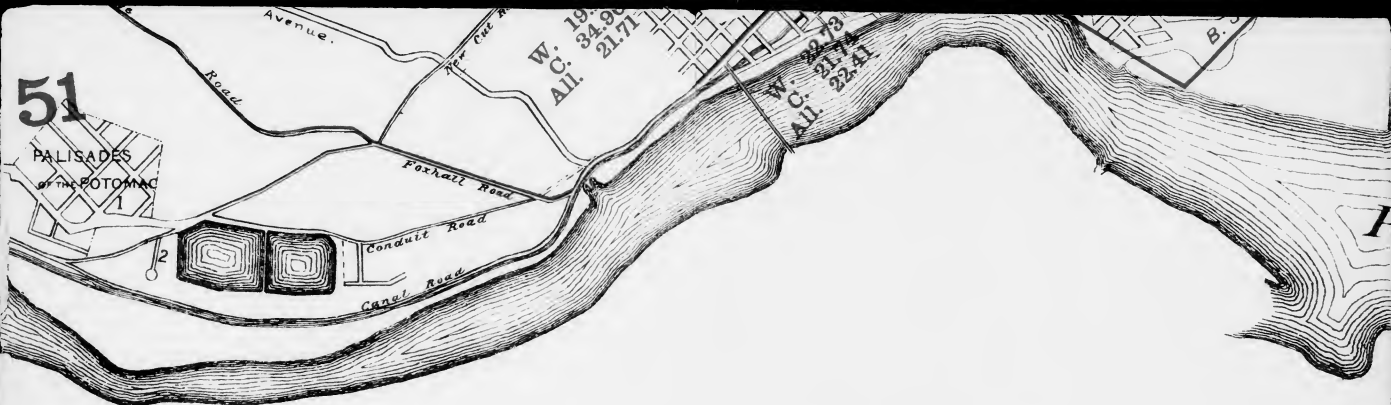




NOTE—Districts in which Hospitals are located are

Washington Hospital for Foundlings	
Columbia Hospital for Women	
Saint Ann's Infant Asylum	
Children's Hospital	
George Washington University Hospital	
Emergency Hospital	
National Homœopathic Hospital	
Sibley Memorial Hospital	
Florence Crittenden's Home	
United States General Hospital	
Home for the Aged (Little Sisters)	
Casualty Hospital and Eastern Dispensary	
Providence Hospital	
United States Naval Hospital	
Washington Asylum Hospital	
Government Hospital for the Insane	
Freedmen's Hospital	
Garfield Memorial Hospital	
United States Soldiers' Home	
Georgetown University Hospital	

51

PALISADES
OF THE POTOMAC

indicated by (★)

1
2
3
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37
50

M A P

OF THE

DISTRICT OF COLUMBIA,

No. 1

Showing number of deaths of white, colored, and all, in the various vital statistics districts of the District of Columbia, during the calendar year 1909.

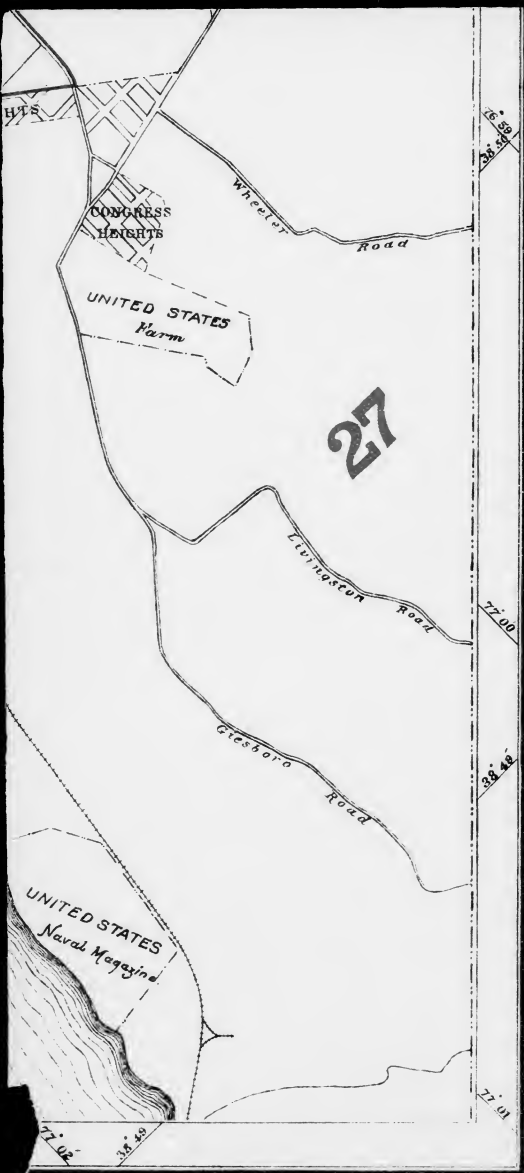
For certain diseases and number of deaths therefrom in each district, see table 7.



W. 38. 74.
C. 74.
Alt. 6725

PERCOTE HEIG





Cent

W. C. 14.63
All. 15.4

Benning

Road

Ridge

Road

23

W. 14.63
C. 00.00
All. 12.07

Road

Bowen

Sutland Road

Pennsylvania Ave Ext

EAST WASHINGTON HEIGHTS

24

36
73
1.55

Road

Bowen Road

Hope Road

Naylor Road

25

W. 13.91
C. 46.00
All. 20.90

GARFIELD

GARFIELD HEIGHTS

BORNA VISTA

Road

M

W. 22.79
C. 36.23
All. 30.77

Hamilton

Form



22

W. 24.19
C. 14.21
All. 15.40

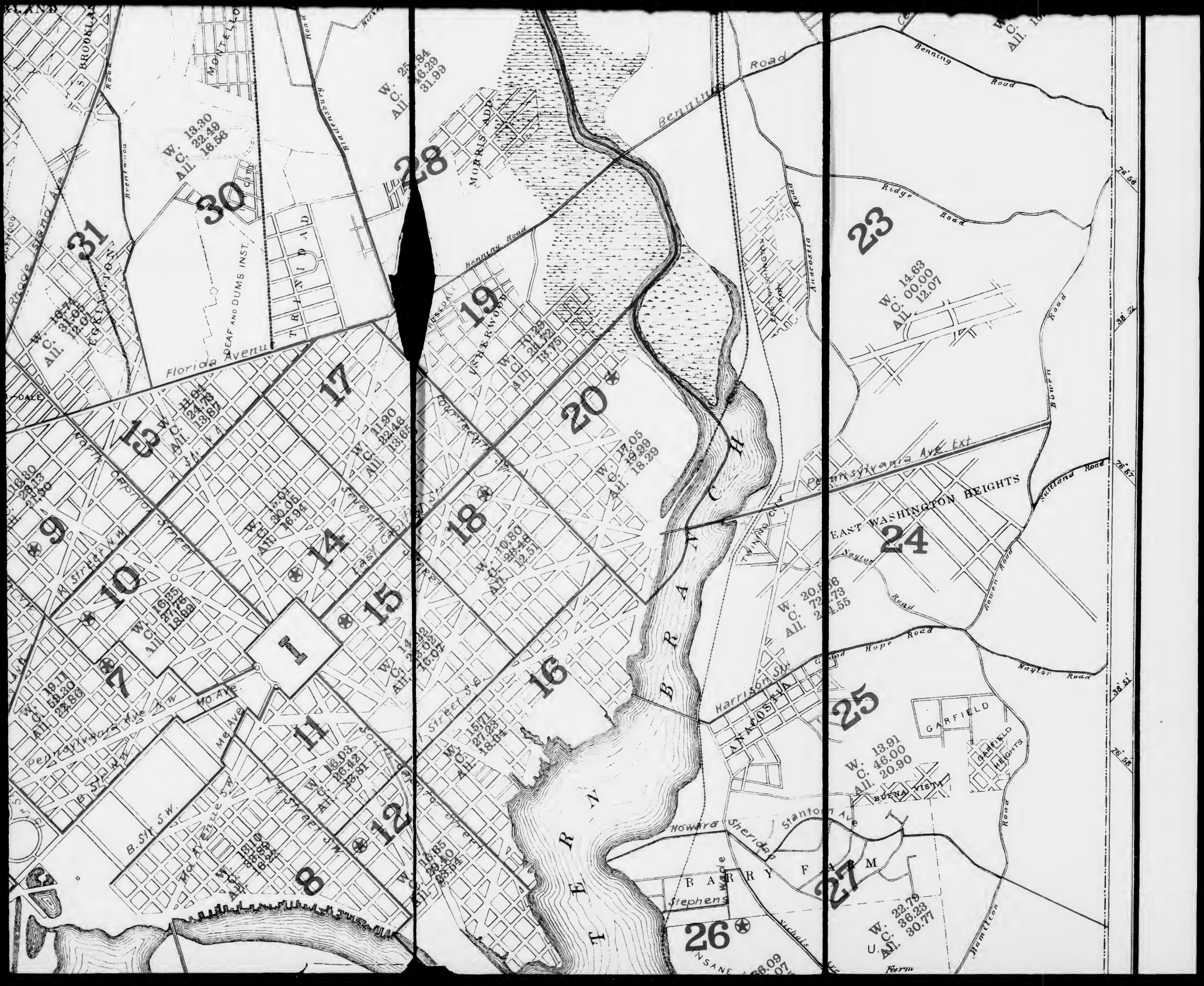
23

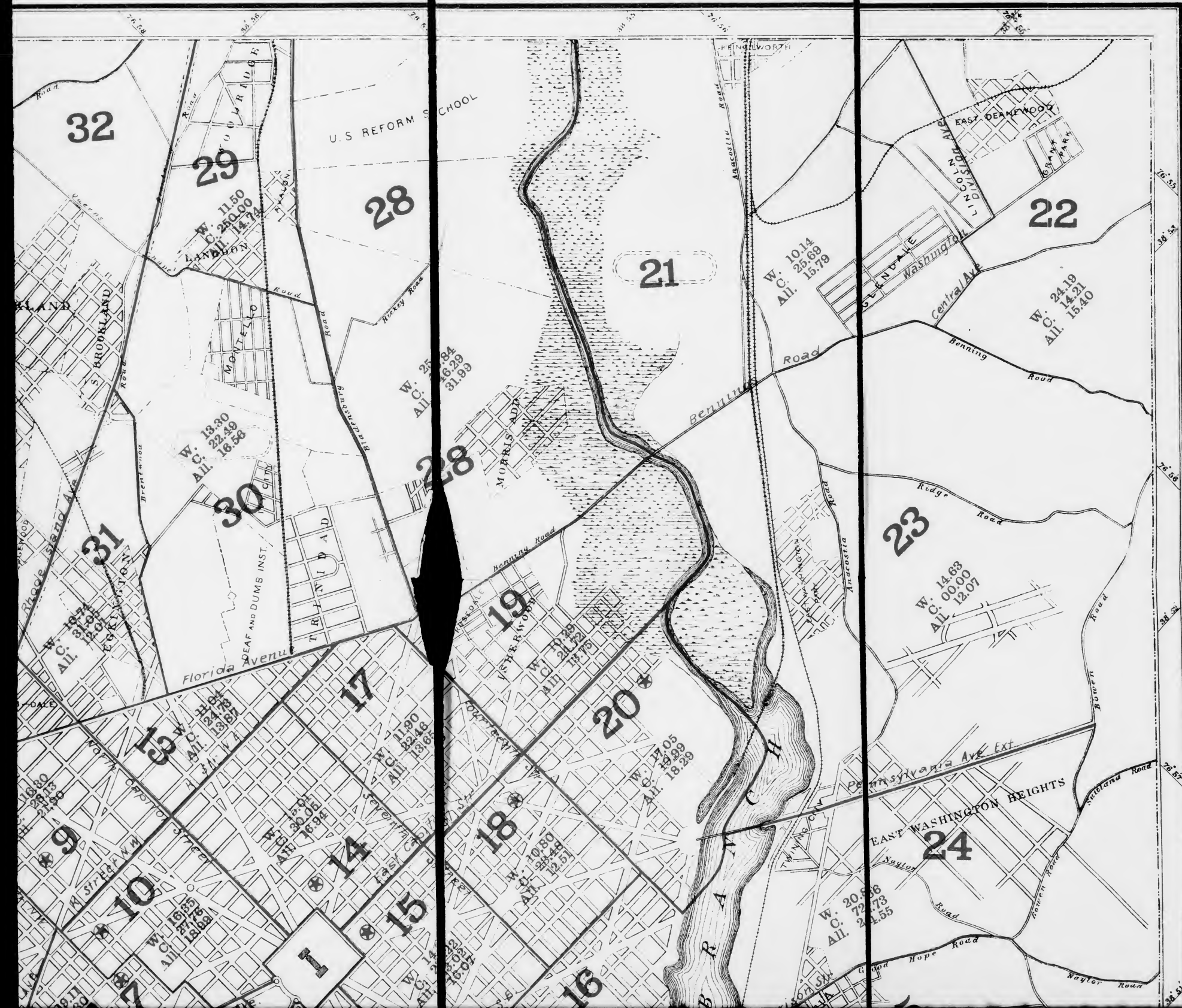
W. 14.63
C. 00.00
All. 12.07

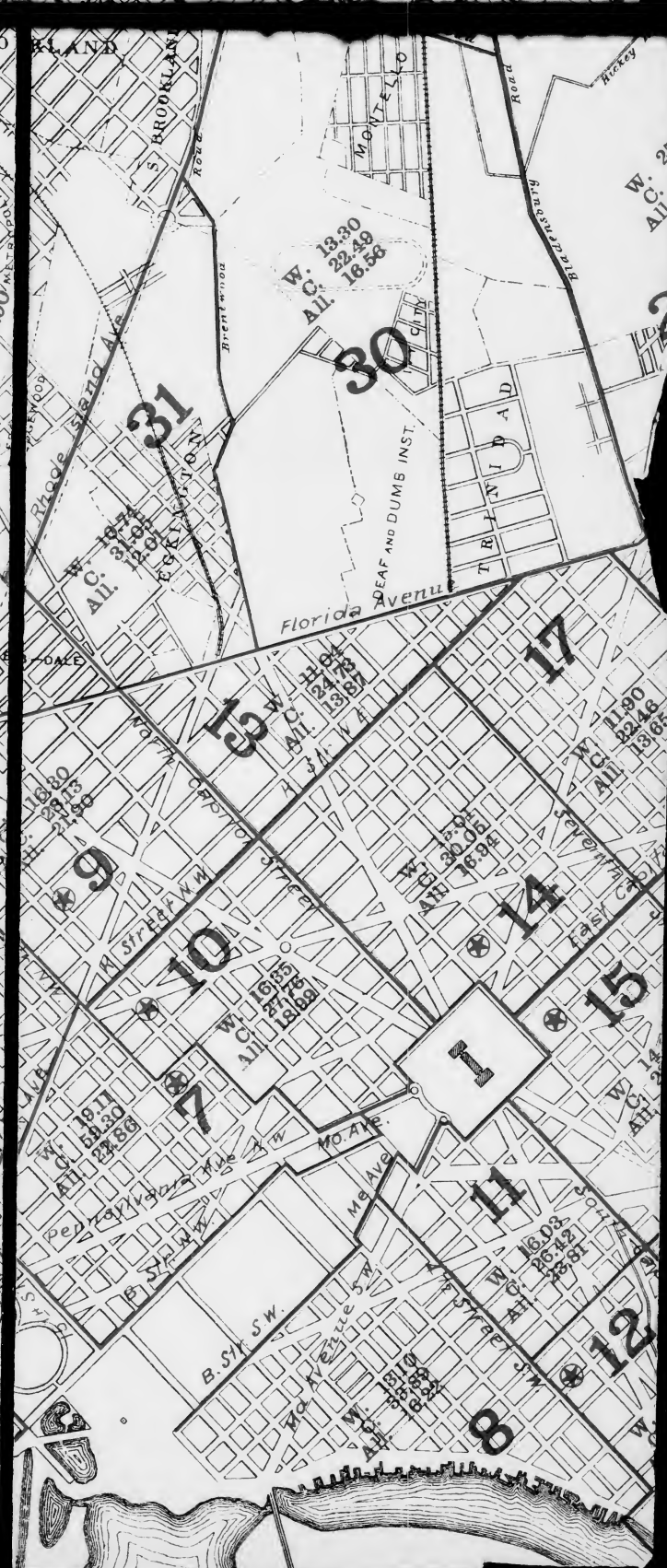
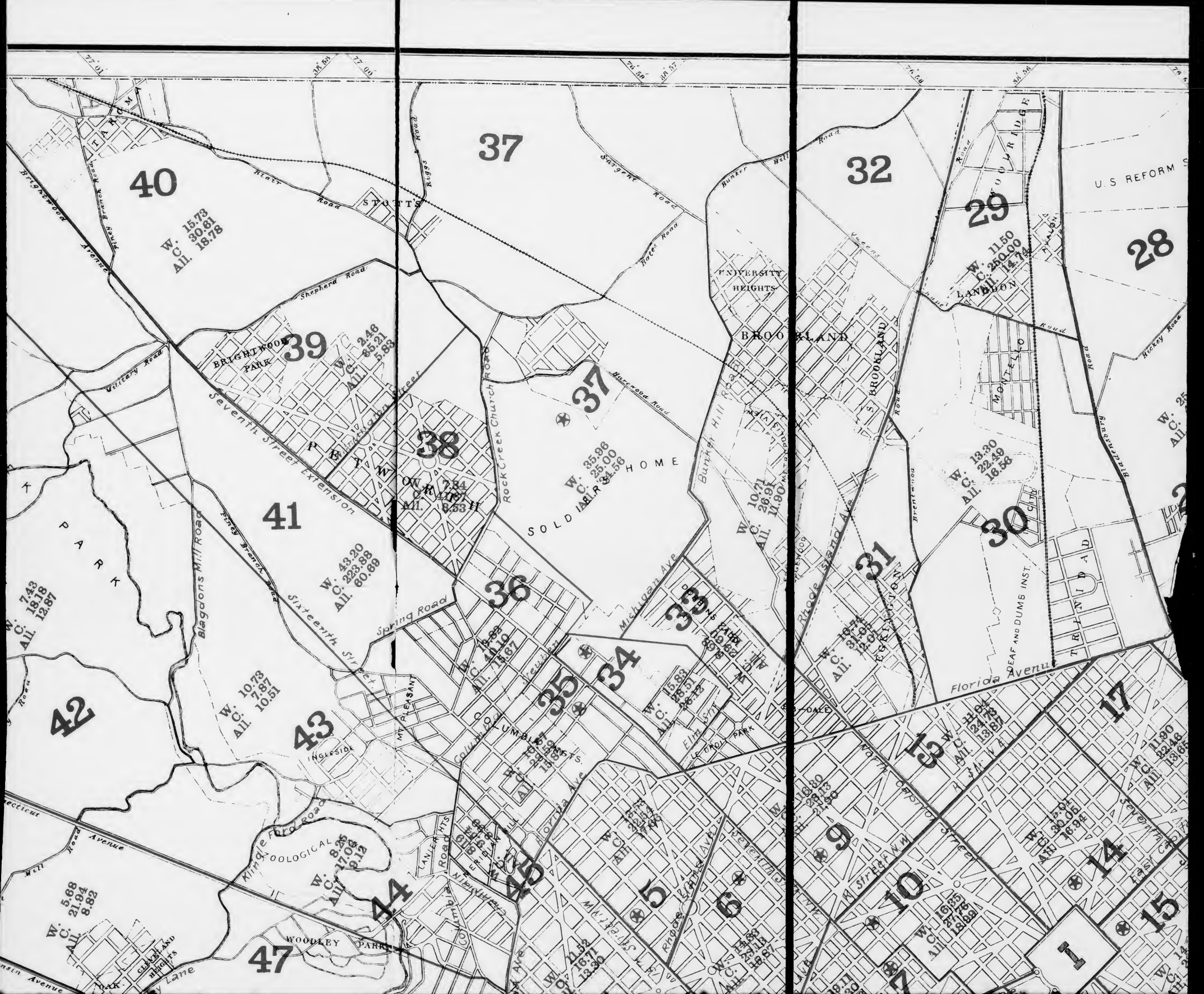
24

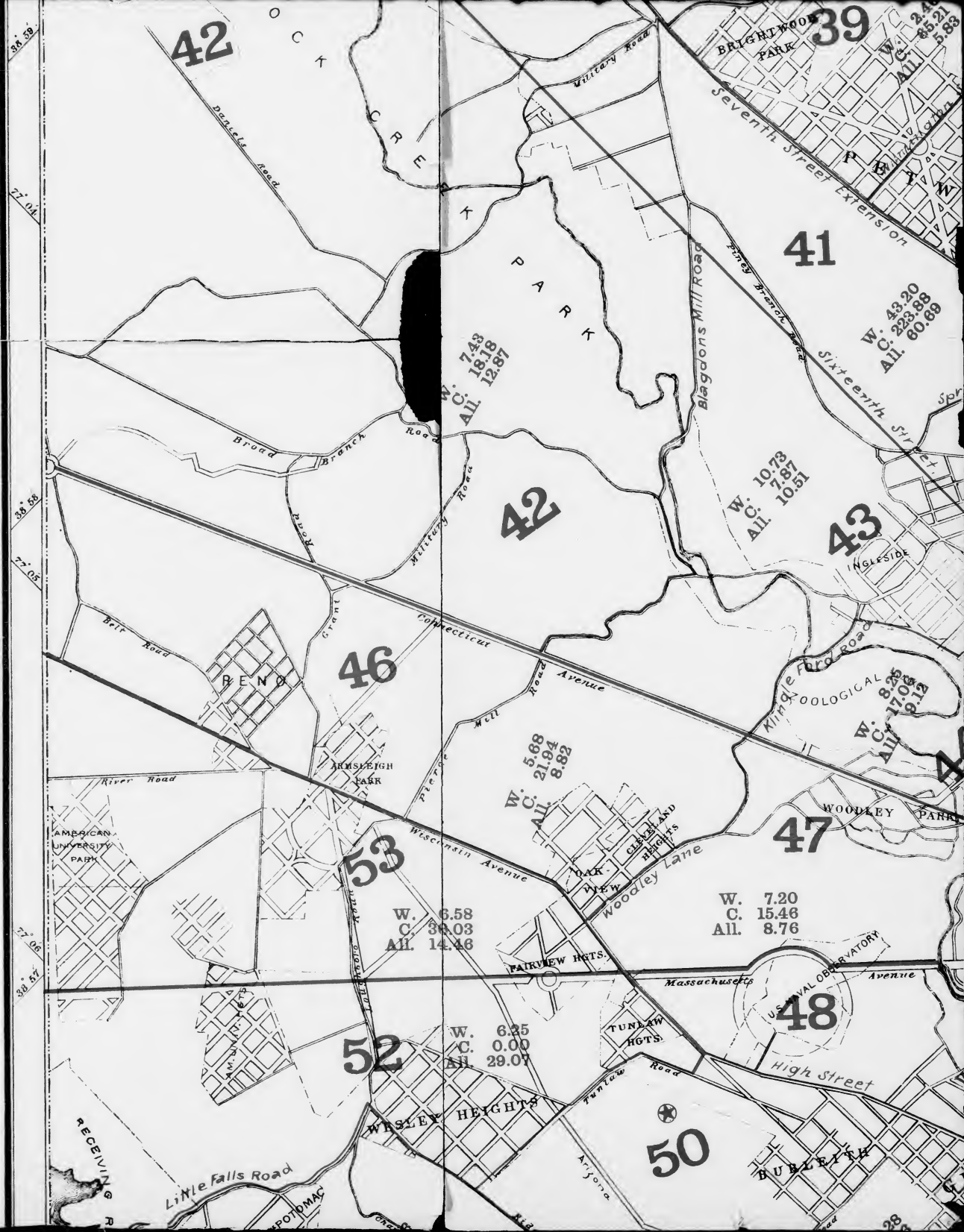
EAST WASHINGTON HEIGHTS

36
73
1.55









42

39

41

42

43

46

47

48

50

52

53

W. 743
C. 18.18
Ail. 12.87

W. 43.20
C. 223.88
Ail. 60.89

W. 1073
C. 787
Ail. 10.51

W. 835
C. 1706
Ail. 9.12

W. 568
C. 21.94
Ail. 8.82

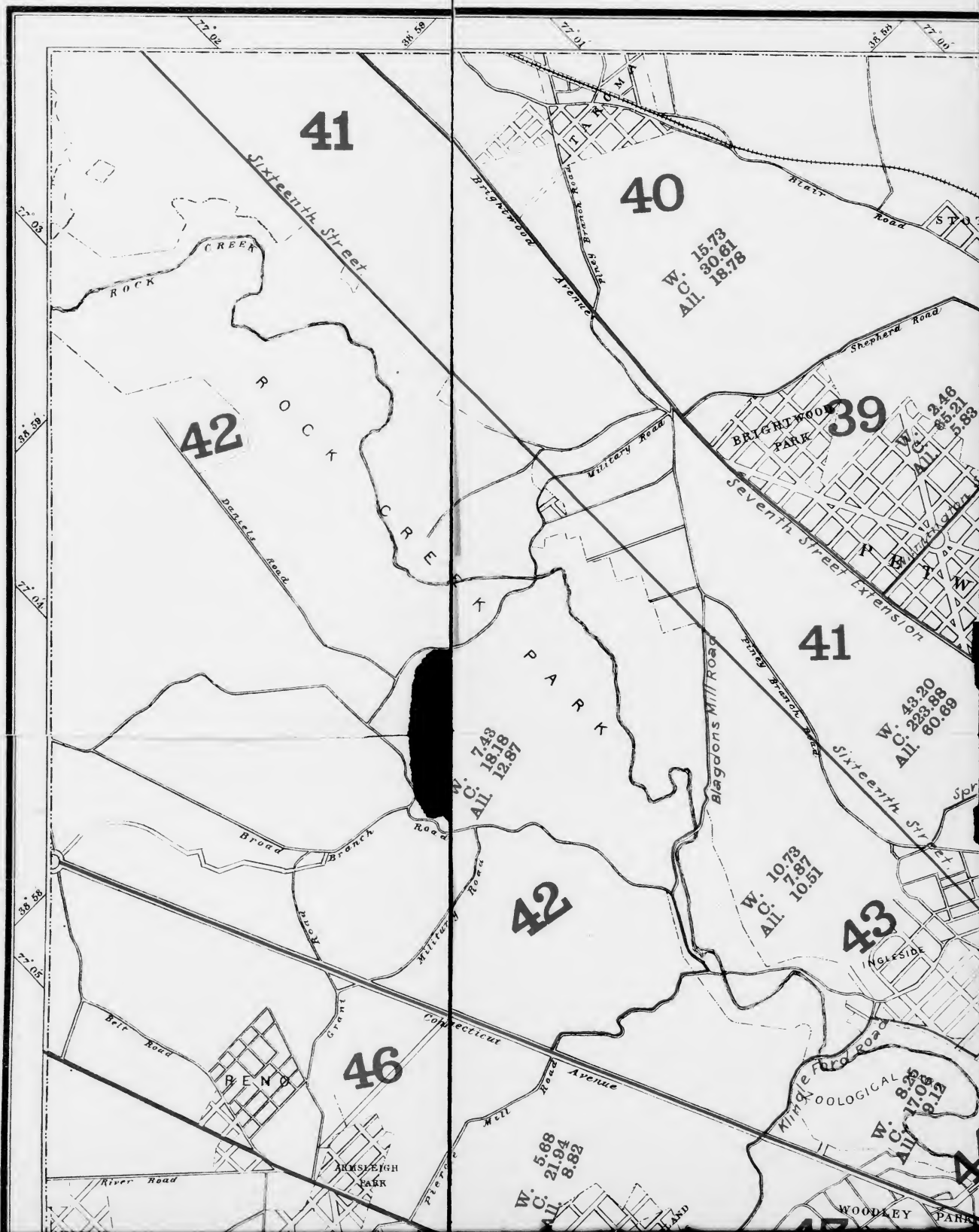
W. 6.58
C. 30.03
Ail. 14.46

W. 7.20
C. 15.46
Ail. 8.76

W. 6.25
C. 0.00
Ail. 29.07

36° 39'
22° 04'
38° 58'
22° 05'
71° 06'
32° 57'

BRIGHTWOOD PARK
Seventh Street Extension
Sixteenth Street
Ingleside
Kilgore Road
WOODLEY PARK
CLYDE HILLS
NEW WOODLEY LANE
FAIRVIEW HTS.
TUNLAW HTS.
WESLEY HEIGHTS
RECEIVING
LITTLE FALLS ROAD
PROTONAC
MICHIGAN
ARNSKEIGH PARK
AMERICAN UNIVERSITY PARK
RIVER ROAD
CONNECTICUT AVENUE
WISCONSIN AVENUE
MASSACHUSETTS AVENUE
HIGH STREET
BUBBLETH
BLAGDEN'S MILL ROAD
MILITARY ROAD
BROAD BRANCH ROAD
DANIEL'S ROAD
POTOMAC



ated by

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